



STIC Search Report

EIC 1700

STIC Database Tracking Number: 101044

TO: John Hardee
Location: CP3 9B36
Art Unit : 1751
August 15, 2003

Case Serial Number: 10/089851

From: Kathleen Fuller
Location: EIC 1700
CP3/4 3D62
Phone: 308-4290

Kathleen.Fuller@uspto.gov

Search Notes

10/05/99

Access DB# 101044

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: HARDET Examiner #: 101044 Date: 8/12
Art Unit: 1751 Phone Number 305-5599 Serial Number: 10/089,851
Mail Box and Bldg/Room Location: 9B36 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Whatever you can find. Thanks.

STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>R. Fuller</u>	NA Sequence (#) _____	STN <u>✓</u>
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) <u>2</u>	Questel/Orbit _____
Date Searcher Picked Up: _____	Bibliographic _____	Dr.Link _____
Date Completed: <u>8/15/03</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: <u>20</u>	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>50</u>	Other _____	Other (specify) _____

=> FILE REG

FILE 'REGISTRY' ENTERED AT 14:34:18 ON 15 AUG 2003

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 13 AUG 2003 HIGHEST RN 566135-25-9

DICTIONARY FILE UPDATES: 13 AUG 2003 HIGHEST RN 566135-25-9

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> FILE HCAPLUS

FILE 'HCAPLUS' ENTERED AT 14:34:28 ON 15 AUG 2003

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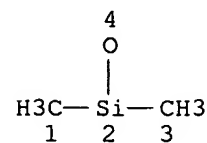
FILE COVERS 1907 - 15 Aug 2003 VOL 139 ISS 8

FILE LAST UPDATED: 14 Aug 2003 (20030814/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> D QUE L20

L3 STR



NODE ATTRIBUTES:

25,959 polymers with this

DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE

L5 SCR 2043
L7 25959 SEA FILE=REGISTRY SSS FUL L3 AND L5
L9 27481 SEA FILE=HCAPLUS ABB=ON L7
L10 8701 SEA FILE=HCAPLUS ABB=ON L9 AND COMPOSITION?
L11 82 SEA FILE=HCAPLUS ABB=ON L10 AND SOFTENER?
L12 30 SEA FILE=HCAPLUS ABB=ON L11 AND (POLYETHYLEN? OR POLYPROPYLENE
? OR FATTY ACID# ?AMIDE? OR POLYSILICIC? OR ?URETHANE?)
L13 23 SEA FILE=HCAPLUS ABB=ON L12 AND (FABRIC? OR TEXTILE? OR
DETERGENT?)/SC, SX, AB, BI
L14 55346 SEA FILE=HCAPLUS ABB=ON (SILOXANES AND SILICONES)/IT
L15 39286 SEA FILE=HCAPLUS ABB=ON POLYSILOXANES/IT
L16 501 SEA FILE=HCAPLUS ABB=ON (L14 OR L15) AND FABRIC?(3A)SOFT?
L17 203 SEA FILE=HCAPLUS ABB=ON L16 AND COMPOSITION?
L18 55 SEA FILE=HCAPLUS ABB=ON L17 AND (POLYETHYLEN? OR POLYPROPYLENE
? OR FATTY ACID# ?AMIDE? OR POLYSILICIC? OR ?URETHANE?)
L19 28 SEA FILE=HCAPLUS ABB=ON L18 AND DETERGENT?/SC, SX
L20 38 SEA FILE=HCAPLUS ABB=ON L13 OR L19

=> D L20 1-38 ALL HITSTR

*Also text searched for
siloxanes > 1994*

L20 ANSWER 1 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN
AN 2003:532735 HCAPLUS
DN 139:102762
TI **Fabric care compositions** containing antiwrinkle agent
IN Brockett, John; Coccaro, Deborah Marie; Delroisse, Michel Gilbert Jose;
Ellson, Karen Jane; Falk, Nancy Ann; Murphy, Dennis Stephen; Orchowski,
Michael; Ugazio, Stephane; Wierenga, Antje Minke
PA Unilever PLC, UK; Unilever NV; Hindustan Lever Limited
SO PCT Int. Appl., 43 pp.
CODEN: PIXXD2
DT Patent
LA English
IC ICM C11D003-00
ICS C11D011-00
CC 46-5 (Surface Active Agents and **Detergents**)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003055966	A1	20030710	WO 2002-EP13476	20021128
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,			

NE, SN, TD, TG

US 2003139309 A1 20030724 US 2003-336538 20030103

PRAI GB 2002-152 A 20020104

AB A **fabric** care **compn.** comprises a solid carrier (such as clays, zeolites, sugar, salts, starch, derivs. and mixts.) and an anti-wrinkle agent such as a functionalized vegetable oil. The **compn.** may be used to provide **fabrics** with **softness** and/or anti-wrinkle and/or other **fabric** benefits in laundering processes.

ST antiwrinkle agent sulfated vegetable oil; sulfated vegetable oil antiwrinkle agent zeolite carrier; **fabric softener compn**

IT Clays, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(Vehtibute, carrier; **fabric** care compns. contg. antiwrinkle agent)

IT **Polysiloxanes**, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(amino-contg., Hydrosoft, emulsion, wrinkle redn. agent; **fabric** care compns. contg. antiwrinkle agent)

IT **Polysiloxanes**, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(anti-wrinkle agent; **fabric** care compns. contg. antiwrinkle agent)

IT Fats and Glyceridic oils, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(avocado, functionalized, anti-wrinkle agent; **fabric** care compns. contg. antiwrinkle agent)

IT Zeolites (synthetic), uses

RL: TEM (Technical or engineered material use); USES (Uses)
(carrier; **fabric** care compns. contg. antiwrinkle agent)

IT **Polysiloxanes**, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(di-Me, 3-hydroxypropyl Me, ethers with **polyethylene** glycol mono-Me ether, wrinkle redn. agent; **fabric** care compns. contg. antiwrinkle agent)

IT Creaseproofing

Fabric softeners

(**fabric** care compns. contg. antiwrinkle agent)

IT Castor oil

Coconut oil

Corn oil

Cottonseed oil

Lanolin

Linseed oil

Olive oil

Palm oil

Peanut oil

Rape oil

Soybean oil

Sunflower oil

RL: TEM (Technical or engineered material use); USES (Uses)
(functionalized, anti-wrinkle agent; **fabric** care compns. contg. antiwrinkle agent)

IT Zeolites (synthetic), uses

RL: TEM (Technical or engineered material use); USES (Uses)
(high-aluminum P-type, carrier; **fabric** care compns. contg. antiwrinkle agent)

- IT **Detergents**
(laundry, granular; **fabric** care compns. contg. antiwrinkle agent)
- IT **Detergents**
(laundry, tablets; **fabric** care compns. contg. antiwrinkle agent)
- IT Tuberaceae
(oil, functionalized, anti-wrinkle agent; **fabric** care compns. contg. antiwrinkle agent)
- IT Carbohydrates, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(or derivs., carrier; **fabric** care compns. contg. antiwrinkle agent)
- IT Fats and Glyceridic oils, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(sesame, functionalized, anti-wrinkle agent; **fabric** care compns. contg. antiwrinkle agent)
- IT Clays, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(smectitic, subjected to cation exchange; **fabric** care compns. contg. antiwrinkle agent)
- IT Salts, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(solid, carrier; **fabric** care compns. contg. antiwrinkle agent)
- IT Castor oil
RL: TEM (Technical or engineered material use); USES (Uses)
(sulfated, Freedom SCO 50, wrinkle redn. agent; **fabric** care compns. contg. antiwrinkle agent)
- IT Fats and Glyceridic oils, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(vegetable, functionalized, anti-wrinkle agent; **fabric** care compns. contg. antiwrinkle agent)
- IT Fats and Glyceridic oils, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(vegetable, sulfated, anti-wrinkle agent; **fabric** care compns. contg. antiwrinkle agent)
- IT **31900-57-9**, Dimethylsilanediol homopolymer
RL: TEM (Technical or engineered material use); USES (Uses)
(assumed monomers, wrinkle redn. agent; **fabric** care compns. contg. antiwrinkle agent)
- IT 497-19-8, Soda Ash, uses 1318-93-0, Gelwhite GP, uses 1319-41-1, Saponite 9005-25-8D, Starch, or derivs. 9050-36-6, Maltodextrin 12172-85-9, Beidellite 12173-47-6, Hectorite 12417-86-6, Stevensite
RL: TEM (Technical or engineered material use); USES (Uses)
(carrier; **fabric** care compns. contg. antiwrinkle agent)
- IT **9016-00-6**, L 45
RL: TEM (Technical or engineered material use); USES (Uses)
(wrinkle redn. agent; **fabric** care compns. contg. antiwrinkle agent)

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE

- (1) Int Flavors & Fragrances Inc; EP 1065266 A 2001 HCAPLUS
- (2) Int Flavors & Fragrances Inc; EP 1111121 A 2001 HCAPLUS
- (3) Procter & Gamble; WO 0107556 A 2001 HCAPLUS
- (4) Richter, B; US 6211136 B1 2001
- (5) Unilever Plc; WO 0024857 A 2000 HCAPLUS
- (6) Unilever Plc; GB 2357523 A 2001

(7) Unilever Plc; WO 02051972 A 2002 HCAPLUS

IT 31900-57-9, Dimethylsilanediol homopolymer

RL: TEM (Technical or engineered material use); USES (Uses)
(assumed monomers, wrinkle redn. agent; **fabric** care compns.
contg. antiwrinkle agent)

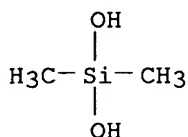
RN 31900-57-9 HCAPLUS

CN Silanediol, dimethyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 1066-42-8

CMF C2 H8 O2 Si

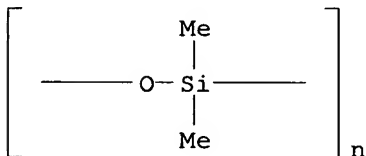


IT 9016-00-6, L 45

RL: TEM (Technical or engineered material use); USES (Uses)
(wrinkle redn. agent; **fabric** care compns. contg. antiwrinkle
agent)

RN 9016-00-6 HCAPLUS

CN Poly[oxy(dimethylsilylene)] (8CI, 9CI) (CA INDEX NAME)



L20 ANSWER 2 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2003:508456 HCAPLUS

DN 139:73737

TI Temperature-changing lubricants which impart cool feel or warm feel to
fibers or cosmetics

IN Saijo, Takashi

PA Shoko Kagaku Kenkyusho K. K., Japan

SO Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM A61K007-00

ICS A61K007-48; D01F006-92; D06M013-144; D06M013-152

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 40

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003183115	A2	20030703	JP 2001-402832	20011217
PRAI	JP 2001-402832		20011217		

- AB The lubricants contain water-insol. substances and dispersing agents and/or coating agents included in inorg. supports. Nylon socks were immersed in an aq. soln. contg. 3 wt.% Yodosol RA-8 (water-sol. urethane compn.) and 3 wt.% of a compn. contg. retinoid 10, polyoxyethylene lauryl ether 100, dimethylsilicone oil 1, and silylated SiO₂ (BET sp. surface area 35-300 m²/g, av. primary particle size 5-20 nm) 10 parts and dried. The socks showed a cool feel, soft hand, and skin-lubricating effect.
- ST fiber cosmetic lubricant water insol dispersant; coating water insol lubricant cosmetic fiber; cool feel lubricant retinoid polyoxyethylene ether cosmetic; warm feel lubricant silicone oil retinoid cosmetic
- IT Polysiloxanes, biological studies
RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(Me hydrogen; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)
- IT Polyoxyalkylenes, biological studies
RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(aryl ethers; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)
- IT Fats and Glyceridic oils, biological studies
RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(carrot; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)
- IT **Textiles**
(cotton; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)
- IT Polyamide fibers, biological studies
RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(fabrics, socks; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)
- IT Polyester fibers, biological studies
RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(fabrics; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)
- IT Vitamins
RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(fat-sol.; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)
- IT Polyesters, biological studies
RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)

- (fiber, nonwoven **fabrics**; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)
- IT Fats and Glyceridic oils, biological studies
RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(grape seed; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)
- IT Clothing
(hosiery, nylon; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)
- IT Castor oil
Jojoba oil
RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(hydrogenated; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)
- IT Cosmetics
Dispersing agents
Fabric softeners
Human
Lubricants
Nonwoven **fabrics**
Textiles
(lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)
- IT Alcohols, biological studies
Jojoba oil
Olive oil
Palm oil
Paraffin oils
Paraffin waxes, biological studies
Polysiloxanes, biological studies
Retinoids
Tocopherols
RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)
- IT Coix lacryma-jobi
Rosemary
(oil-sol. exts.; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)
- IT Carrot
(oil; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)
- IT Alcohols, biological studies
RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM

- (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(rape-oil, hydrogenated; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)
- IT Amides, biological studies
RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(tallow, hydrogenated, N,N-bis(hydroxyethyl); lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)
- IT Fats and Glyceridic oils, biological studies
RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(teaseed, Camellia japonica; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)
- IT Fats and Glyceridic oils, biological studies
RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(vegetable; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)
- IT 31900-57-9, Dimethylsilanediol homopolymer
RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(assumed monomers; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)
- IT 25038-59-9, Poly(ethylene terephthalate), biological studies
RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(fiber, nonwoven **fabrics**; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)
- IT 50-14-6, Ergocalciferol 57-87-4, Ergosterol 67-97-0, Cholecalciferol 84-80-0, Phylloquinone 100-51-6, .alpha.-Hydroxytoluene, biological studies 105-13-5, Anise alcohol 122-99-6, .beta.-Phenoxyethanol 128-49-4, Calcium dioctyl sulfosuccinate 149-57-5D, 2-Ethylhexanoic acid, C12-18 alkyl esters 434-16-2, Dehydrocholesterol 577-11-7, Sodium dioctyl sulfosuccinate 1182-68-9, Menaquinone 6829-55-6, Tocotrienol 9002-92-0, **Polyethylene** glycol lauryl ether 9004-96-0, **Polyethylene** glycol oleate 9004-98-2, **Polyethylene** glycol oleyl ether 9016-00-6, Dimethylsiloxane 24938-91-8, **Polyethylene** glycol tridecyl ether 25322-68-3D, **Polyethylene** glycol, aryl ethers 26468-86-0, **Polyethylene** glycol 2-ethylhexyl ether 59130-69-7, Cetyl 2-ethylhexanoate 59130-70-0, Stearyl 2-ethylhexanoate 69247-83-2, Isostearyl 2-ethylhexanoate 133186-19-3, Sodium mono-octyl sulfosuccinate 183476-82-6, L-Ascorbic acid tetrakis(2-hexyldecanoate)
RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(lubricants contg. water-insol. substances and dispersants and/or

coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)

IT 7631-86-9, Silica, biological studies

RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)

(silylated; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)

IT 31900-57-9, Dimethylsilanediol homopolymer

RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)

(assumed monomers; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)

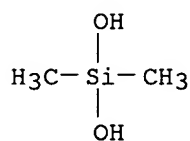
RN 31900-57-9 HCAPLUS

CN Silanediol, dimethyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 1066-42-8

CMF C2 H8 O2 Si



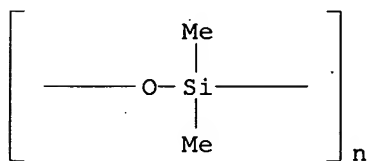
IT 9016-00-6, Dimethylsiloxane

RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)

(lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)

RN 9016-00-6 HCAPLUS

CN Poly[oxy(dimethylsilylene)] (8CI, 9CI) (CA INDEX NAME)



L20 ANSWER 3 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2003:412032 HCAPLUS

DN 139:8465

TI Softening agent **compositions** imparting wrinkle prevention effect on clothing

IN Hayashi, Hiromitsu; Ushio, Noriaki; Tagata, Shuji

PA Kao Corp., Japan
SO Jpn. Kokai Tokkyo Koho, 15 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
IC ICM D06M013-46
ICS C08K005-17; C08K005-41; C08L083-04; D06M013-262; D06M013-325;
D06M015-643

CC 46-5 (Surface Active Agents and **Detergents**)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003155667	A2	20030530	JP 2001-355902	20011121
PRAI	JP 2001-355902		20011121		
OS	MARPAT 139:8465				

AB The compns. contain (A) compds. bearing amino groups and/or quaternary ammonium groups and one C8-36 hydrocarbyl group, (B) nonionic surfactants bearing C16-36 hydrocarbyl group and SO3M and/or OSO3M (M = counter ion), and (C) silicones at A/B molar ratio of 9/1-4/6. Thus, a cotton shirt washed with a weakly-basic detergent and rinsed with a **compn.** contg. 19 parts mixt. of N-(3-dimethylaminopropyl) palmitamide and N-(3-dimethylaminopropyl) stearamide, 6 parts sodium stearylsulfonate, and 2 parts Me3OSi(SiMe2O)300[SiMe[(CH2)3NHCOCH2O(CH2O)5C12H25]O]m[SiMe[(CH2)3NH2]O]n[SiMe[(CH2)3O(C2H4O)10Me]O]4SiMe3 (m + n = 7), giving soft touch and smooth feel.

ST **fabric softening agent dimethylaminopropyl palmitamide; dimethylaminopropyl stearamide fabric softening agent; sodium stearylsulfonate fabric softening agent; polysiloxane polyoxyalkylene block graft softening fabric; wrinkle prevention fabric softening agent; quaternary ammonium salt fabric softening agent**

IT **Polysiloxanes, uses**
RL: TEM (Technical or engineered material use); USES (Uses)
(cationic, wrinkle prevention agents, Rewoquat SQ 1; softening agent compns. imparting wrinkle prevention effect on clothing)

IT **Polysiloxanes, uses**
RL: TEM (Technical or engineered material use); USES (Uses)
(polyether-, SH 8700, wrinkle prevention agents; softening agent compns. imparting wrinkle prevention effect on clothing)

IT **Polysiloxanes, uses**
RL: TEM (Technical or engineered material use); USES (Uses)
(polyoxyalkylene-, graft, wrinkle prevention agents; softening agent compns. imparting wrinkle prevention effect on clothing)

IT **Polyoxyalkylenes, uses**
RL: TEM (Technical or engineered material use); USES (Uses)
(polysiloxane-, graft, wrinkle prevention agents; softening agent compns. imparting wrinkle prevention effect on clothing)

IT **Polyethers, uses**
RL: TEM (Technical or engineered material use); USES (Uses)
(siloxane-, SH 8700, wrinkle prevention agents; softening agent compns. imparting wrinkle prevention effect on clothing)

IT **Softening agents**
(softening agent compns. imparting wrinkle prevention effect on clothing)

IT **Quaternary ammonium compounds, uses**
RL: TEM (Technical or engineered material use); USES (Uses)
(softening agent compns. imparting wrinkle prevention effect on

- clothing)
- IT Polyoxyalkylenes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(sulfo-terminated, tallow alkyl esters, sodium salts; softening agent compns. imparting wrinkle prevention effect on clothing)
- IT Polyoxyalkylenes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(tallow alkyl esters, sulfates, sodium salts; softening agent compns. imparting wrinkle prevention effect on clothing)
- IT Amines, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(tertiary, salts; softening agent compns. imparting wrinkle prevention effect on clothing)
- IT Amines, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(tertiary; softening agent compns. imparting wrinkle prevention effect on clothing)
- IT 31900-57-9D, Dimethylsilanediol homopolymer, .alpha.-[[3-[(2-aminoethyl)amino]propyl]dimethylsilyl]-.omega.-trimethylsilyl-terminated 271260-33-4D, trimethylsilyl-terminated 479191-09-8D, trimethylsilyl-terminated 531513-42-5D, (3-Aminopropyl)methylsilanediol-dimethylsilanediol-methylsilanediol-oxirane graft copolymer dodecyl ether, trimethylsilyl-terminated
RL: TEM (Technical or engineered material use); USES (Uses)
(assumed monomers, wrinkle prevention agents; softening agent compns. imparting wrinkle prevention effect on clothing)
- IT 7651-02-7P, N-(3-Dimethylaminopropyl) stearamide 39669-97-1P, N-(3-Dimethylaminopropyl) palmitamide 39840-30-7P, 2-Dimethylaminoethyl stearate 40817-19-4P, 2-Dimethylaminoethyl palmitate
RL: IMF (Industrial manufacture); RCT (Reactant); TEM (Technical or engineered material use); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(softening agent compns. imparting wrinkle prevention effect on clothing)
- IT 2932-74-3P 22890-18-2P 25234-57-5P 51277-96-4P 110877-63-9P 351196-77-5P
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(softening agent compns. imparting wrinkle prevention effect on clothing)
- IT 50-00-0, Formaldehyde, reactions 57-10-3, Palmitic acid, reactions 57-11-4, Stearic acid, reactions 74-87-3, Methyl chloride, reactions 107-13-1, Acrylonitrile, reactions 108-01-0, 2-Hydroxyethyldimethylamine 109-28-4, N-(3-Dimethylaminopropyl) oleamide 109-55-7, N,N-Dimethyl-1,3-propanediamine 109-83-1, Methylethanolamine 112-80-1, Oleic acid, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(softening agent compns. imparting wrinkle prevention effect on clothing)
- IT 1120-04-3, Sodium stearylsulfate 25322-68-3D, **Polyethylene** glycol, tallow alkyl esters, sulfates, sodium salts 94200-75-6, Sodium 2-decyltetradecyl sulfate
RL: TEM (Technical or engineered material use); USES (Uses)
(softening agent compns. imparting wrinkle prevention effect on clothing)
- IT 149370-81-0, SF 8419 156327-07-0, KF 6002 158688-16-5, KF 393
RL: TEM (Technical or engineered material use); USES (Uses)
(wrinkle prevention agents; softening agent compns. imparting wrinkle

prevention effect on clothing)

L20 ANSWER 4 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN
AN 2003:282654 HCAPLUS
DN 138:305500
TI **Compositions of polysiloxanes and quaternized fatty acid amides and use**
IN Chrobaczek, Harald; Lindmair, Gabriele; Tschida, Guenther
PA Ciba Spezialitaetenchemie Pforzheim GmbH, Germany
SO PCT Int. Appl., 25 pp.
CODEN: PIXXD2
DT Patent
LA English
IC ICM C08L083-04
ICS C08K005-19; D06M015-643
CC 40-9 (Textiles and Fibers)
Section cross-reference(s): 46
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003029351	A1	20030410	WO 2002-EP10416	20020917
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
PRAI	DE 2001-10147210	A	20010925		
AB	A pleasantly soft hand of textile fabrics can be achieved by treating them with aq. solns. or dispersions which comprise polysiloxanes and quaternized fatty acid amides . The polysiloxanes can have polyalkylene groups and (quaternized) amino groups. The solns. or dispersions have excellent stability.				
ST	polysiloxane quaternized fatty acid amide blend textile finishing agent				
IT	Amides, uses				
	RL: TEM (Technical or engineered material use); USES (Uses) (N-(hydroxyalkyl), quaternized; aq. finishing compns. of polysiloxanes and quaternized fatty acid amides)				
IT	Fabric finishing (agents; aq. compns. of polysiloxanes and quaternized fatty acid amides as)				
IT	Fabric softeners (aq. compns. of polysiloxanes and quaternized fatty acid amides as)				
IT	Polysiloxanes , uses				
	RL: TEM (Technical or engineered material use); USES (Uses) (aq. finishing compns. of polysiloxanes and quaternized fatty acid amides)				
IT	Textiles (cotton-polyester; treated with aq. finishing compns. of				

**polysiloxanes and quaternized fatty acid
amides)**

IT Quaternary ammonium compounds, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(of **fatty acid alkanolamides**; treated
with aq. finishing compns. of **polysiloxanes** and quaternized
fatty acid amides)
IT 505098-85-1 508190-46-3, Belfasin 2597
RL: TEM (Technical or engineered material use); USES (Uses)
(aq. finishing compns. of **polysiloxanes** and quaternized
fatty acid amides)

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE

- (1) Parkinson, J; US 5183845 A 1993 HCAPLUS
- (2) Pfersee Chem Fab; EP 0578144 A 1994 HCAPLUS
- (3) Rudolf GmbH & Co Kg Chem Fab; DE 19652524 A 1998 HCAPLUS

L20 ANSWER 5 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2003:23517 HCAPLUS

DN 138:75140

TI Cleaner/**softener composition**, container and kit for
laundering delicate garments in a washing machine

IN Barnabas, Freddy Arthur; Creedon, Michael Timothy; Curry, John Downing;
Doty, Jack Austin; Hortel, Thomas Charles; Maerten, Ingrid Rose-Marie;
Nishio, Natsuko; Nicks, Yana Milligan; Okamoto, Mitsuyo; Sakkab, Nabil
Yaqub; Schroeder, John G.; Siklosi, Michael Peter; Tollens, Fernando Ray;
Wahl, Errol Hoffman; Wernicke, Todd Michael

PA The Procter & Gamble Company, USA

SO U.S. Pat. Appl. Publ., 47 pp., Cont.-in-part of U.S. Ser. No. 648,219.
CODEN: USXXCO

DT Patent

LA English

IC C11D001-00

NCL 510351000; 510504000; 510511000

CC 46-5 (Surface Active Agents and **Detergents**)

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003008799	A1	20030109	US 2002-107586	20020327
	WO 2000024860	A1	20000504	WO 1999-US24938	19991022
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	JP 2002528203	T2	20020903	JP 2000-578508	19991022
PRAI	US 1998-105539P	P	19981024		
	US 1999-157082P	P	19991001		
	WO 1999-US24937	A	19991022		
	WO 1999-US24938	A	19991022		
	US 2000-648219	A2	20000825		
	WO 2000-US27005	A	20000929		
	US 1999-157399P	P	19991001		

AB Laundering delicate or dry-clean only garments may take place in a washing
machine, such as a conventional home washing machine. The process may use

- a garment container, such as a flexible wrap to protect the garments. The process also includes .gtoreq.1 cleaning **compn.** specially formulated for delicate garments. The cleaning **compn.**(s) can be in a no. of suitable forms, and can be introduced into the process in a no. of different manners, and contains (a) an anionic surfactant, (b) a quaternary ammonium surfactant, (c) a silicone softening agent, and (d) a solvatrope, where the wt. ratio of anionic surfactants to quaternary ammonium surfactants is 2-6:1. The products used in the process may be provided as a kit contg. a pretreatment applicator.
- ST polymeric wrap container garment home laundering; laundering freshening delicate garment; conditioning **compn liq detergent** laundering delicate garment
- IT Polyoxyalkylenes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(C12-15-alkyl, sulfonates, surfactant; laundering, brightening and freshening of delicate garments in a washing machine)
- IT Polysiloxanes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(Me Ph, softening agents; laundering, brightening and freshening of delicate garments in a washing machine)
- IT Surfactants
(anionic; laundering, brightening and freshening of delicate garments in a washing machine)
- IT Fabric softeners
Laundering
(laundering, brightening and freshening of delicate garments in a washing machine)
- IT Quaternary ammonium compounds, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(laundering, brightening and freshening of delicate garments in a washing machine)
- IT Detergents
(liq.; laundering, brightening and freshening of delicate garments in a washing machine)
- IT Polysiloxanes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polyoxyalkylene-, softening agents; laundering, brightening and freshening of delicate garments in a washing machine)
- IT Polyoxyalkylenes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polysiloxane-, softening agents; laundering, brightening and freshening of delicate garments in a washing machine)
- IT Containers
(wrap; laundering, brightening and freshening of delicate garments in a washing machine)
- IT 112-00-5, Lauryltrimethylammonium chloride
RL: TEM (Technical or engineered material use); USES (Uses)
(conditioners; laundering, brightening and freshening of delicate garments in a washing machine)
- IT 9005-12-3, Poly[oxy(methylphenylsilylene)] 9016-00-6, Poly(dimethylsiloxane) 27306-78-1, Silwet L77 28323-47-9, Poly[oxy(diethylsilylene)] 31230-04-3, Poly(methylphenylsiloxane) 31900-57-9, Poly(dimethylsiloxane) 56267-41-5, Silanediol, diethyl-, homopolymer
RL: TEM (Technical or engineered material use); USES (Uses)
(softening agents; laundering, brightening and freshening of delicate garments in a washing machine)
- IT 25322-68-3D, Polyethylene glycol, C12-15-alkyl, sulfonates

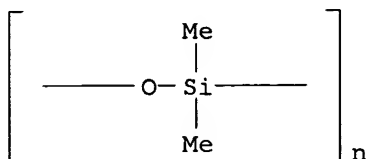
RL: TEM (Technical or engineered material use); USES (Uses)
(surfactant; laundering, brightening and freshening of delicate garments in a washing machine)

IT 9016-00-6, Poly(dimethylsiloxane) 27306-78-1, Silwet L77
31900-57-9, Poly(dimethylsiloxane)

RL: TEM (Technical or engineered material use); USES (Uses)
(softening agents; laundering, brightening and freshening of delicate garments in a washing machine)

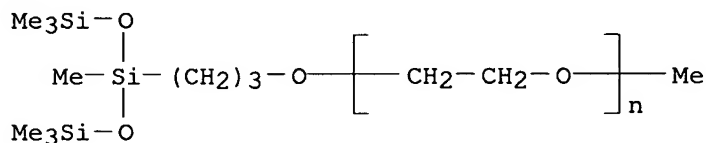
RN 9016-00-6 HCAPLUS

CN Poly[oxy(dimethylsilylene)] (8CI, 9CI) (CA INDEX NAME)



RN 27306-78-1 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-methyl-.omega.-[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propoxy]- (9CI) (CA INDEX NAME)



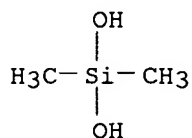
RN 31900-57-9 HCAPLUS

CN Silanediol, dimethyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 1066-42-8

CMF C2 H8 O2 Si



L20 ANSWER 6 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2002:391835 HCAPLUS

DN 136:387749

TI **Fabric softening compositions** and methods of identifying, selecting, and/or designing softeners of polyether-polysiloxanes

IN Trinh, Toan; Schneiderman, Eva; Stanton, David Thomas; Smith, John William; Kramer, Michael Lee; Tordil, Helen Bernardo; Frankenbach, Gayle Marie; Liu, Zaiyou; Barnabas, Mary Vijayarani

PA The Procter & Gamble Company, USA
 SO PCT Int. Appl., 60 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 IC ICM C11D003-00
 CC 46-5 (Surface Active Agents and **Detergents**)
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002040623	A2	20020523	WO 2001-US43285	20011120
	WO 2002040623	A3	20030130		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	AU 2002039273	A5	20020527	AU 2002-39273	20011120
	US 2002147128	A1	20021010	US 2001-989640	20011120
PRAI	US 2000-252342P	P	20001120		
	WO 2001-US43285	W	20011120		
AB	Sprayable stable, aq. fabric softening compns. comprise polyalkyleneoxy polysiloxanes selected from polyethyleneoxy polysiloxane, polyethyleneoxy/polypropyleneoxy polysiloxanes, and mixts. An example softener contained Silwet L-7001 1.4%, perfumes 0.1%, Kathon preservative 3 ppm, and the balance water. The softening compns. may optionally contain fabric wrinkle control agent, perfume, surfactant, antimicrobial active, aminocarboxylate chelator, odor controlling agent, antimicrobial preservative, quaternary ammonium softening agent, adjunct stabilizer, and aq. carrier. The softener has an av. mol. wt. 3000-200,000 and is characterized as having correlation S value (.gtoreq.10) according to $S = 3.246 \cdot \sqrt{t\#diSi} - 1.880 \cdot \sqrt{\%Si} - 0.9066 \cdot \sqrt{t\#EO} + 17.70$, where $t\#diSi$ = av. total no. of the $Si(CH_3)_2O$ units in the mol.; $t\#EO$ = the av. total no. of the ethyleneoxy CH_2CH_2O units in the mol.; $\%Si$ = wt. percent of all siloxane units.				
ST	aq spray dispersion polyoxyalkylene polysiloxane fabric softener				
IT	Polyethers, uses RL: TEM (Technical or engineered material use); USES (Uses) (di-Me siloxane-; fabric softening compns. and methods of identifying, selecting, and/or designing softeners of polyether- polysiloxanes)				
IT	Polysiloxanes , uses RL: TEM (Technical or engineered material use); USES (Uses) (di-Me, 3-hydroxypropyl Me, ethers with polyethylene glycol mono-Me ether; fabric softening compns. and methods of identifying, selecting, and/or designing softeners of polyether- polysiloxanes)				
IT	Polysiloxanes , uses RL: TEM (Technical or engineered material use); USES (Uses) (di-Me, 3-hydroxypropyl Me, ethers with polyethylene-polypropylene glycol acetate; fabric				

softening compns. and methods of identifying, selecting, and/or designing softeners of polyether-polysiloxanes)

IT Polysiloxanes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(di-Me, 3-hydroxypropyl Me, ethers with polyethylene-polypropylene glycol mono-Me ether; fabric softening compns. and methods of identifying, selecting, and/or designing softeners of polyether-polysiloxanes)

IT Polysiloxanes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(di-Me, 3-hydroxypropyl Me, ethoxylated propoxylated; fabric softening compns. and methods of identifying, selecting, and/or designing softeners of polyether-polysiloxanes)

IT Polysiloxanes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(di-Me, polyether-; fabric softening compns. and methods of identifying, selecting, and/or designing softeners of polyether-polysiloxanes)

IT Polysiloxanes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(di-Me, polyoxyethylene-polyoxypropylene-, graft; fabric softening compns. and methods of identifying, selecting, and/or designing softeners of polyether-polysiloxanes)

IT Fabric softeners
(fabric softening compns. and methods of identifying, selecting, and/or designing softeners of polyether-polysiloxanes)

IT Polysiloxanes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polyoxyalkylene-; fabric softening compns. and methods of identifying, selecting, and/or designing softeners of polyether-polysiloxanes)

IT Polyoxyalkylenes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polysiloxane-; fabric softening compns. and methods of identifying, selecting, and/or designing softeners of polyether-polysiloxanes)

L20 ANSWER 7 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN
AN 2002:331856 HCAPLUS
DN 136:342594
TI Tablet laundry detergent compositions
IN Lant, Neil Joseph; Salager, Serge Eric; Eshuis, Johan Hans; Pena-Romero, Angelina
PA The Procter & Gamble Company, USA
SO Eur. Pat. Appl., 46 pp.
CODEN: EPXXDW
DT Patent
LA English
IC ICM C11D017-00
ICS C11D003-00
CC 46-5 (Surface Active Agents and Detergents)
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1201742	A1	20020502	EP 2000-870253	20001031
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				

WO 2002036721 A2 20020510 WO 2001-US46072 20011023
WO 2002036721 A3 20020704
W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EE, EE, ES,
FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG,
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MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL,
TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG,
KZ, MD, RU, TJ
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
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BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
AU 2002033967 A5 20020515 AU 2002-33967 20011023
WO 2002055644 A2 20020718 WO 2001-US46071 20011023
W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EE, EE, ES,
FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG,
KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
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TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG,
KZ, MD, RU, TJ
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
WO 2002059242 A2 20020801 WO 2001-US46070 20011023
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
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BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
EP 1330506 A2 20030730 EP 2001-984970 20011023
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
EP 1330511 A2 20030730 EP 2001-993211 20011023
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
EP 1330512 A2 20030730 EP 2001-994147 20011023
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
EP 1330508 A2 20030730 EP 2001-987591 20011026
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
EP 1330509 A2 20030730 EP 2001-987592 20011026
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
PRAI EP 2000-870252 A 20001031
EP 2000-870253 A 20001031
EP 2000-870254 A 20001031
EP 2001-870012 A 20010119
EP 2001-870013 A 20010119
WO 2001-US46070 W 20011023
WO 2001-US46071 W 20011023
WO 2001-US46072 W 20011023
WO 2001-US51378 W 20011026

WO 2001-US51379 W 20011026

AB A shaped detergent **compn.** comprises surfactant and cationic **fabric softener**, characterized in that the **compn** . disintegrates within 5 min of been placed in deionized water at 20.degree.C and that after disintegration, the av. particle size of the **compn.** is less than 5 mm, preferably less than 3 mm. The **compns.** of the present invention can be effectively dosed via the dispensing drawer of std. washing machines and can deliver two or more actives to the wash liquor, even if such actives are incompatible with each other.

ST tablet laundry detergent **compn** disintegration

IT Surfactants

(amphoteric; tablet laundry detergent **compns.**)

IT Surfactants

(anionic; tablet laundry detergent **compns.**)

IT Surfactants

(cationic; tablet laundry detergent **compns.**)

IT Detergents

(laundry, enzyme-contg.; tablet laundry detergent **compns.**)

IT Detergents

(laundry, tablets; tablet laundry detergent **compns.**)

IT Surfactants

(nonionic; tablet laundry detergent **compns.**)

IT Polyoxyalkylenes, uses

Polysiloxanes, uses

Zeolites (synthetic), uses

RL: TEM (Technical or engineered material use); USES (Uses)

(tablet laundry detergent **compns.**)

IT Surfactants

(zwitterionic; tablet laundry detergent **compns.**)

IT 9000-92-4, Amylase 9001-62-1, Lipase 9001-92-7, Protease 9012-54-8, Cellulase

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(tablet laundry detergent **compns.**)

IT 77-92-9, Citric acid, uses 95-29-4, DIBS 127-09-3, Sodium acetate 497-19-8, Sodium carbonate, uses 3794-83-0 7379-28-4 10543-57-4, Tetraacetylene diamine 15630-89-4, Sodium percarbonate 25322-68-3, **Polyethylene** glycol 29132-58-9, Acrylic acid-maleic acid copolymer 61586-86-5 371165-08-1, Lutensit K-HD 96
RL: TEM (Technical or engineered material use); USES (Uses)
(tablet laundry detergent **compns.**)

IT 13870-28-5, SKS 6

RL: TEM (Technical or engineered material use); USES (Uses)
(.delta.-; tablet laundry detergent **compns.**)

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Gibson, H; WO 9817753 A 1998 HCAPLUS
- (2) Procter & Gamble; EP 0896053 A 1999
- (3) Unilever Plc; WO 9940171 A 1999 HCAPLUS
- (4) Wixon, H; US 3360470 A 1967 HCAPLUS

L20 ANSWER 8 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2001:881686 HCAPLUS

DN 136:38808

TI Softening agent **compositions** containing polyoxyalkylene polysiloxanes for **fabrics**

IN Muramoto, Hisahiro

PA Dow Corning Toray Silicone Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM D06M015-647

ICS C08G077-46; C08L071-02; C08L083-05; C08L083-07

CC 40-9 (Textiles and Fibers)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001336071	A2	20011207	JP 2000-159420	20000530
PRAI	JP 2000-159420		20000530		
AB	Softening agents contain 0.05-20% title polymers (I) prepd. by the reaction of organo H polysiloxanes, organopolysiloxanes having 1 or 2 terminal alkenyl groups, and alkenyl group-contg. polyoxyalkylenes in the presence of addn. reaction catalysts. Thus, I was prepd. from trimethylsilyl-terminated Me H polysiloxane 100, bis(dimethylvinylsilyl)-terminated polydimethylsiloxane 24.5, and polyethylene propylene glycol allyl Me ether 129.2 g in the presence of Pt catalysts.				
ST	polyoxyalkylene polysiloxane softening agent fabric ; platinum catalyst hydrosilylation hydrogen vinyl polysiloxane				
IT	Polysiloxanes, uses RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (Me hydrogen, trimethylsilyl-terminated, reaction products with polyoxyalkylene allyl ethers and vinyl polysiloxanes; softening agent compns. contg. polyoxyalkylene polysiloxanes for fabrics)				
IT	Polysiloxanes, uses RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (polyoxyalkylene-; softening agent compns. contg. polyoxyalkylene polysiloxanes for fabrics)				
IT	Polyoxyalkylenes, uses RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (polysiloxane-; softening agent compns. contg. polyoxyalkylene polysiloxanes for fabrics)				
IT	Fabric softeners Hydrosilylation catalysts (softening agent compns. contg. polyoxyalkylene polysiloxanes for fabrics)				
IT	Household furnishings (towels; softening agent compns. contg. polyoxyalkylene polysiloxanes for fabrics)				
IT	7440-06-4D, Platinum, complexes with divinyltetramethyldisiloxane 16941-12-1, Chloroplatinic acid 30110-75-9D, Divinyltetramethyldisiloxane, complexes with platinum RL: CAT (Catalyst use); USES (Uses) (softening agent compns. contg. polyoxyalkylene polysiloxanes for fabrics)				
IT	379699-45-3P 379699-53-3P 379699-55-5P 379699-57-7P RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (softening agent compns. contg. polyoxyalkylene polysiloxanes for fabrics)				
IT	379699-45-3P 379699-53-3P 379699-55-5P 379699-57-7P				

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(softening agent compns. contg. polyoxyalkylene polysiloxanes for fabrics)

RN 379699-45-3 HCAPLUS

CN Silanediol, dimethyl-, polymer with .alpha.-(ethenyldimethylsilyl)-.omega.-[(ethenyldimethylsilyl)oxy]poly[oxy(dimethylsilylene)], methyloxirane, methylsilanediol and oxirane, methyl ether, graft (9CI) (CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O

H₃C-OH

CM 2

CRN 379699-44-2

CMF (C3 H6 O . C2 H8 O2 Si . (C2 H6 O Si)n C8 H18 O Si2 . C2 H4 O . C H6 O2 Si)x

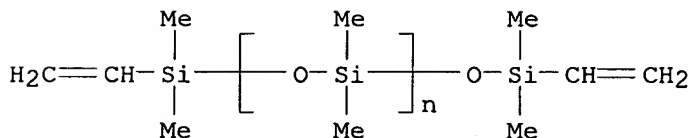
CCI PMS

CM 3

CRN 59942-04-0

CMF (C2 H6 O Si)n C8 H18 O Si2

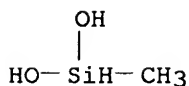
CCI PMS



CM 4

CRN 43641-90-3

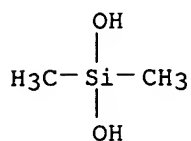
CMF C H6 O2 Si



CM 5

CRN 1066-42-8

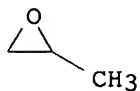
CMF C2 H8 O2 Si



CM 6

CRN 75-56-9

CMF C3 H6 O



CM 7

CRN 75-21-8

CMF C2 H4 O



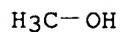
RN 379699-53-3 HCAPLUS

CN Silanediol, dimethyl-, polymer with 1,3-di-5-hexenyl-1,1,3,3-tetramethyldisiloxane, methyloxirane, methylsilanediol and oxirane, methyl ether, graft (9CI) (CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O



CM 2

CRN 379699-52-2

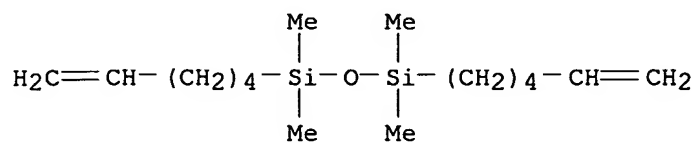
CMF (C16 H34 O Si2 . C3 H6 O . C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x

CCI PMS

CM 3

CRN 104360-37-4

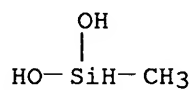
CMF C16 H34 O Si2



CM 4

CRN 43641-90-3

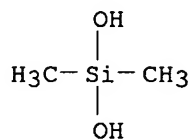
CMF C H6 O2 Si



CM 5

CRN 1066-42-8

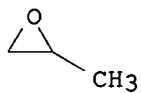
CMF C2 H8 O2 Si



CM 6

CRN 75-56-9

CMF C3 H6 O



CM 7

CRN 75-21-8

CMF C2 H4 O



RN 379699-55-5 HCAPLUS

CN Silanediol, dimethyl-, polymer with .alpha.-(ethenyldimethylsilyl)-.omega.-

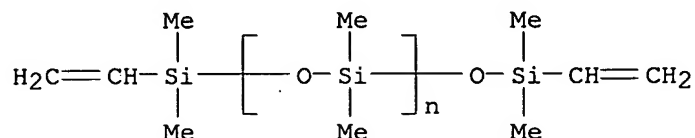
[(ethenyldimethylsilyl)oxy]poly[oxy(dimethylsilylene)], methylsilanediol and oxirane, graft (9CI) (CA INDEX NAME)

CM 1

CRN 59942-04-0

CMF (C2 H6 O Si)_n C8 H18 O Si2

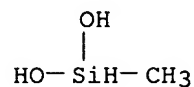
CCI PMS



CM 2

CRN 43641-90-3

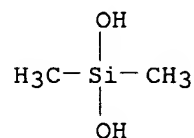
CMF C H6 O2 Si



CM 3

CRN 1066-42-8

CMF C2 H8 O2 Si



CM 4

CRN 75-21-8

CMF C2 H4 O



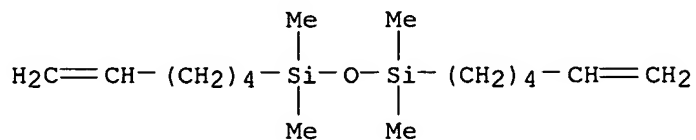
RN 379699-57-7 HCAPLUS

CN Silanediol, dimethyl-, polymer with 1,3-di-5-hexenyl-1,1,3,3-tetramethyldisiloxane, methylsilanediol and oxirane, graft (9CI) (CA INDEX NAME)

CM 1

CRN 104360-37-4

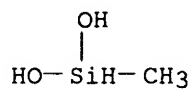
CMF C16 H34 O Si2



CM 2

CRN 43641-90-3

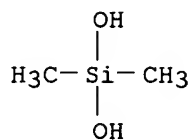
CMF C H6 O2 Si



CM 3

CRN 1066-42-8

CMF C2 H8 O2 Si



CM 4

CRN 75-21-8

CMF C2 H4 O



L20 ANSWER 9 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2001:748089 HCAPLUS

DN 135:290116

TI Silicone **compositions** for treating wool materials

IN Luedemann, Simpert; Riedmann, Juergen; Chrobaczek, Harald; Angele, Theodor; Howarth, Lee

PA Ciba Spezialitaetenchemie Pfersee Gmbh, Germany
 SO PCT Int. Appl., 25 pp.
 CODEN: PIXXD2

DT Patent

LA English

IC ICM D06M015-00

CC 40-9 (Textiles and Fibers)

FAN.CNT 1

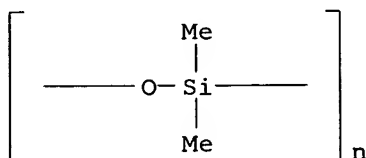
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001075214	A2	20011011	WO 2001-EP3225	20010321
	WO 2001075214	A3	20011213		
	W:		AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		
	RW:		GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG		
	DE 10016610	A1	20011011	DE 2000-10016610	20000404
	EP 1268918	A2	20030102	EP 2001-923692	20010321
	R:		AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR		
	BR 2001009803	A	20030121	BR 2001-9803	20010321
PRAI	DE 2000-10016610	A	20000404		
	WO 2001-EP3225	W	20010321		
AB	Softener organopolysiloxanes which contain crosslinked units are further crosslinkable (such as hydroxy-terminated siloxanes). The compns. further contain a polyurethane contg. blocked isocyanate groups. They are useful for treating fiber materials, esp. textile sheet materials, and can be applied as aq. solns. or dispersions. Textiles which are 50-100% wool and finished with the compns. exhibit low shrinkage and low felting tendency during washing operations and also a pleasant, soft hand.				
ST	hydroxy terminated siloxane shrinkproofing agent wool fabric				
IT	Feltproofing				
	Shrinkproofing (textiles)				
	(agents; silicone compns. contg. blocked polyurethane for preventing shrinkage and felting of wool textiles)				
IT	Polyurethanes , uses				
	RL: TEM (Technical or engineered material use); USES (Uses)				
	(blocked; silicone compns. contg. blocked polyurethane for preventing shrinkage and felting of wool textiles)				
IT	Polysiloxanes, uses				
	RL: TEM (Technical or engineered material use); USES (Uses)				
	(hydroxy-terminated; silicone compns. contg. blocked polyurethane for preventing shrinkage and felting of wool textiles)				
IT	Fabric softeners				
	(silicone compns. contg. blocked polyurethane for preventing shrinkage and felting of wool textiles)				
IT	Textiles				
	(wool; silicone compns. contg. blocked polyurethane for preventing shrinkage and felting of wool textiles)				
IT	7732-18-5, Water, uses 9016-00-6 , Polydimethylsiloxane				
	31900-57-9 , Dimethylsilanediol homopolymer 69670-71-9,				

Synthappret BAP

RL: TEM (Technical or engineered material use); USES (Uses)
(silicone compns. contg. blocked **polyurethane** for preventing shrinkage and felting of wool **textiles**)IT 9016-00-6, Polydimethylsiloxane 31900-57-9,
Dimethylsilanediol homopolymerRL: TEM (Technical or engineered material use); USES (Uses)
(silicone compns. contg. blocked **polyurethane** for preventing shrinkage and felting of wool **textiles**)

RN 9016-00-6 HCAPLUS

CN Poly[oxy(dimethylsilylene)] (8CI, 9CI) (CA INDEX NAME)



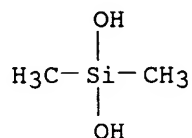
RN 31900-57-9 HCAPLUS

CN Silanediol, dimethyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 1066-42-8

CMF C2 H8 O2 Si



L20 ANSWER 10 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2001:524721 HCAPLUS

DN 135:108584

TI **Textile** treatment **composition** comprising epoxy glycol
siloxane and amine functional siloxane

IN Griffin, Howard Edwin

PA Dow Corning Corporation, USA

SO Eur. Pat. Appl., 12 pp.

CODEN: EPXXDW

DT Patent

LA English

IC ICM D06M015-643

ICS D06M015-647; D06M015-65; D06M013-513; C08L083-04; C08L083-12

CC 40-9 (**Textiles** and Fibers)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1116813	A1	20010718	EP 2001-300153	20010109
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				

JP 2001226878 A2 20010821 JP 2001-2679 20010110
PRAI US 2000-480240 A 20000110
OS MARPAT 135:108584
AB A **textile treatment compn.** comprises (a) an epoxy-, glycol siloxane, (b) an amino-functional compd. selected from the group consisting of aminosilanes and silicone quaternary ammonium compds., (c) optionally, a surfactant, (d) optionally, an acid and (e) optionally a carrier. The **compn.** is preferably formulated as an aq. emulsion. The **compn.** provides good hand, resistance to yellowing and improved hydrophilicity to **textiles**.
ST **textile softener** yellowing resistance hydrophilicity; cotton **fabric** finish agent emulsion; polysiloxane epoxy glycol amino functionality
IT **Fabric finishing**
(agents; **textile softener compn.** for improved hydrophilicity and yellowing resistance)
IT **Textiles**
(cotton; **textile softener compn.** for improved hydrophilicity and yellowing resistance)
IT Polysiloxanes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(quaternary ammonium group-contg., Lambent Q 100, Lambent Q 400; **textile softener compn.** for improved hydrophilicity and yellowing resistance)
IT **Fabric softeners**
(**textile softener compn.** for improved hydrophilicity and yellowing resistance)
IT Polysiloxanes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(**textile softener compn.** for improved hydrophilicity and yellowing resistance)
IT 161849-78-1, GENAPOL UD 110 186100-57-2, GENAPOL UD 050
RL: TEM (Technical or engineered material use); USES (Uses)
(surfactant; **textile softener compn.** for improved hydrophilicity and yellowing resistance)
IT 106-92-3D, Allyl glycidyl ether, reaction product with dimethyl-methylhydrogen siloxane and **polyethylene-polypropylene** glycol allyl Me ether 919-30-2, .gamma.-Aminopropyltriethoxysilane 1760-24-3 23410-40-4 52232-27-6D, **Polyethylenepolypropylene** glycol allyl methyl ether, reaction product with dimethyl-methylhydrogen siloxane and allyl glycidyl ether 156118-35-3D, Dimethylsilanediol-methylhydrogensilanediol copolymer, reaction product with allyl glycidyl ether and **polyethylene polypropylene** glycol allyl Me ether
RL: TEM (Technical or engineered material use); USES (Uses)
(**textile softener compn.** for improved hydrophilicity and yellowing resistance)
RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE
(1) Baldwin, A; US 4408996 A 1983 HCAPLUS
(2) Baldwin, A; US 4414268 A 1983
(3) Campbell, F; US 4184004 A 1980 HCAPLUS
(4) Czech, A; US 5158575 A 1992 HCAPLUS
(5) Ohashi, H; US 5232611 A 1993 HCAPLUS
(6) Tashiro, M; US 4062999 A 1977
IT 156118-35-3D, Dimethylsilanediol-methylhydrogensilanediol copolymer, reaction product with allyl glycidyl ether and **polyethylene polypropylene** glycol allyl Me ether

RL: TEM (Technical or engineered material use); USES (Uses)
(textile softener compn. for improved
hydrophilicity and yellowing resistance)

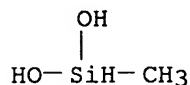
RN 156118-35-3 HCAPLUS

CN Silanediol, dimethyl-, polymer with methylsilanediol (9CI) (CA INDEX
NAME)

CM 1

CRN 43641-90-3

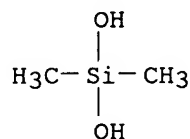
CMF C H6 O2 Si



CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si



L20 ANSWER 11 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2001:265554 HCAPLUS

DN 134:282506

TI **Fabric softener compositions**

IN Kvita, Petr; Otto, Peter; Dubini, Mario; Chrobaczek, Harald; Geubtner,
Michael; Goretzki, Ralf; Weber, Barbara; Martin, Emmanuel

PA Ciba Specialty Chemicals Holding Inc., Switz.; Ciba Spezialitaetenchemie
Pfersee G.m.b.H.

SO PCT Int. Appl., 60 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM C11D003-37

ICS C11D017-04; C11D003-12; C11D001-645; C11D001-62

CC 46-5 (Surface Active Agents and **Detergents**)

FAN.CNT 1

Applicants

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001025385	A1	20010412	WO 2000-EP9399	20000926
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

BR 2000014531 A 20020604 BR 2000-14531 20000926
 EP 1218478 A1 20020703 EP 2000-964235 20000926

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL

JP 2003511575 T2 20030325 JP 2001-528541 20000926
 PRAI EP 1999-810897 A 19991005
 WO 2000-EP9399 W 20000926

AB A **compn.** for the wrinkle recovery treatment or the redn. of wet soiling of **textile** fiber materials in domestic applications comprises (a) a **fabric softener**, (b) **.gtoreq.1** additive selected from the group consisting of a **polyethylene** or a mixt., a **fatty acid alkanolamide** or a mixt., a **polysilicic acid** or a mixt., and a **polyurethane** or a mixt., and (c) selected polyorganosiloxane compds. Thus, a **compn.** was prep'd. by dissolving molten di(palmcarboxyethyl)hydroxyethyl-methylammoniummethosulfate (Rewoquat WE 38 DPG) in water and mixing with polydimethylsiloxane hydroxy-terminated, and oxidized **polyethylene**.

ST **fabric softener** wrinkle recovery wet soiling **textile** fiber; polysiloxane quaternary ammonium compd **polyethylene fabric softener**

IT Amides, uses
 RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
 (N-(hydroxyalkyl); **fabric softener** for wrinkle recovery treatment or redn. of wet soiling of **textile** fiber materials)

IT Quaternary ammonium compounds, uses
 RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
 (di(palmcarboxyethyl)hydroxyethyl-Me; **fabric softener** for wrinkle recovery treatment or redn. of wet soiling of **textile** fiber materials)

IT Creaseproofing
Fabric softeners
 Soilproofing
 (**fabric softener** for wrinkle recovery treatment or redn. of wet soiling of **textile** fiber materials)

IT **Polyurethanes**, uses
 RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
 (**fabric softener** for wrinkle recovery treatment or redn. of wet soiling of **textile** fiber materials)

IT **Polysiloxanes**, uses
 RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
 (polyoxyalkylene-, graft; **fabric softener** for wrinkle recovery treatment or redn. of wet soiling of **textile** fiber materials)

IT Polyoxyalkylenes, uses
 RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
 (polysiloxane-, graft; **fabric softener** for wrinkle recovery treatment or redn. of wet soiling of **textile** fiber materials)

IT 9002-88-4D, **Polyethylene**, oxidized 31692-79-2,
Polydimethylsiloxane hydroxy-terminated 31900-57-9
156310-28-0D, trimethylsilyl terminated 156549-36-9D,
trimethylsilyl terminated 156623-21-1 156623-21-1D,
Trimethylsilyl terminated 158465-66-8 158465-66-8D,
Trimethylsilyl terminated 162918-92-5 254098-49-2D,
Trimethylsilyl terminated 296759-05-2D, Trimethylsilyl
terminated 332366-70-8 332366-71-9D, Trimethylsilyl
terminated 332899-90-8, Rewoquat WE 38DPG
RL: PRP (Properties); TEM (Technical or engineered material use); USES
(Uses)

(**fabric softener** for wrinkle recovery treatment or
redn. of wet soiling of **textile** fiber materials)

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

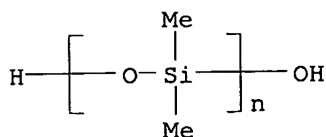
- (1) Butterworth, R; US 5407588 A 1995 HCAPLUS
- (2) Colgate Palmolive Co; EP 0413416 A 1991 HCAPLUS
- (3) Dow Corning Ltd; DE 3932276 A 1990 HCAPLUS
- (4) Henkel Kgaa; EP 0133562 A 1985 HCAPLUS
- (5) Henkel Kgaa; EP 0739976 A 1996 HCAPLUS
- (6) Mermelstein, R; US 5728673 A 1998 HCAPLUS
- (7) Pfersee Chem Fab; DE 3926005 A 1991 HCAPLUS
- (8) Procter & Gamble; GB 1549180 A 1979 HCAPLUS
- (9) Procter & Gamble; EP 0150872 A 1985 HCAPLUS
- (10) Unilever Plc; EP 0544493 A 1993 HCAPLUS
- (11) Zenon, H; US 3992332 A 1976 HCAPLUS

IT 31692-79-2, Polydimethylsiloxane hydroxy-terminated
31900-57-9 156310-28-0D, trimethylsilyl terminated
156549-36-9D, trimethylsilyl terminated 156623-21-1
156623-21-1D, Trimethylsilyl terminated 158465-66-8
158465-66-8D, Trimethylsilyl terminated 162918-92-5
254098-49-2D, Trimethylsilyl terminated 296759-05-2D,
Trimethylsilyl terminated 332366-70-8 332366-71-9D,
Trimethylsilyl terminated
RL: PRP (Properties); TEM (Technical or engineered material use); USES
(Uses)

(**fabric softener** for wrinkle recovery treatment or
redn. of wet soiling of **textile** fiber materials)

RN 31692-79-2 HCAPLUS

CN Poly[oxy(dimethylsilylene)], .alpha.-hydro-.omega.-hydroxy- (8CI, 9CI)
(CA INDEX NAME)



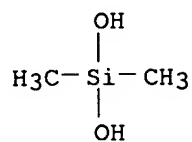
RN 31900-57-9 HCAPLUS

CN Silanediol, dimethyl-, homopolymer (9CI) (CA INDEX NAME)

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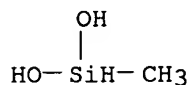
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RN 156310-28-0 HCAPLUS
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(9CI) (CA INDEX NAME)

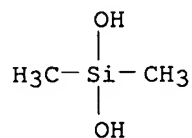
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CRN 43641-90-3
CMF C H6 O2 Si



CM 2

CRN 1066-42-8
CMF C2 H8 O2 Si



CM 3

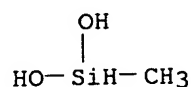
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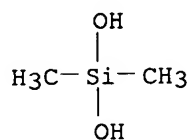
RN 156549-36-9 HCAPLUS
CN Silanediol, dimethyl-, polymer with methyloxirane, methylsilanediol and
oxirane, graft (9CI) (CA INDEX NAME)

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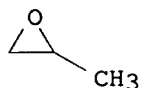
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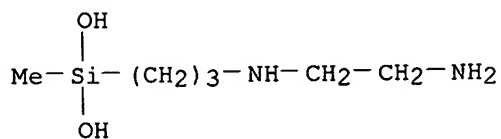
CM 3

CRN 75-56-9
CMF C3 H6 O

CM 4

CRN 75-21-8
CMF C2 H4 ORN 156623-21-1 HCAPLUS
CN Silanediol, [3-[(2-aminoethyl)amino]propyl]methyl-, polymer with
dimethylsilanediol (9CI) (CA INDEX NAME)

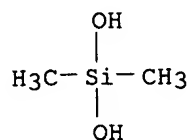
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CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si



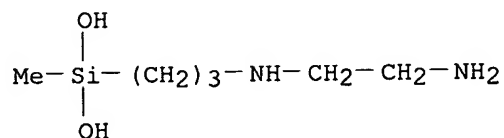
RN 156623-21-1 HCAPLUS

CN Silanediol, [3-[(2-aminoethyl)amino]propyl)methyl-, polymer with dimethylsilanediol (9CI) (CA INDEX NAME)

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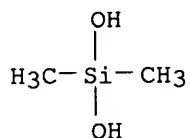
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CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si



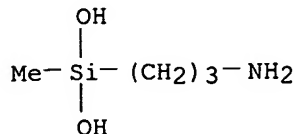
RN 158465-66-8 HCAPLUS

CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol (9CI) (CA INDEX NAME)

CM 1

CRN 158465-65-7

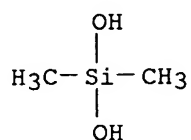
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CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si



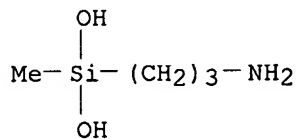
RN 158465-66-8 HCAPLUS

CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol (9CI)
(CA INDEX NAME)

CM 1

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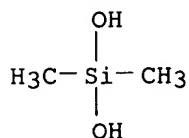
CMF C4 H13 N O2 Si



CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si



RN 162918-92-5 HCAPLUS

CN Poly[oxy(dimethylsilylene)], .alpha.-[[3-[3-(dimethylamino)-2-hydroxypropoxy]propyl]dimethylsilyl]-.omega.-[[[3-[3-(dimethylamino)-2-hydroxypropoxy]propyl]dimethylsilyl]oxy]-, diacetate (salt) (9CI) (CA INDEX NAME)

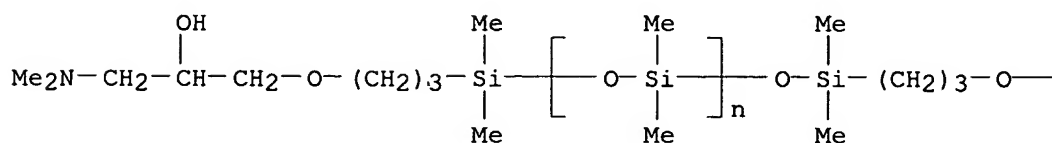
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CRN 162918-91-4

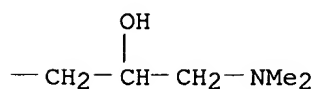
CMF (C2 H6 O Si)_n C20 H48 N2 O5 Si2

CCI PMS

PAGE 1-A



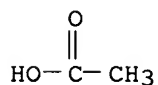
PAGE 1-B



CM 2

CRN 64-19-7

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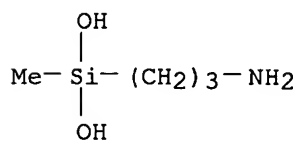
RN 254098-49-2 HCAPLUS

CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol, methyloxirane, methylsilanediol and oxirane, graft (9CI) (CA INDEX NAME)

CM 1

CRN 158465-65-7

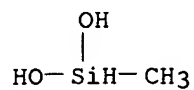
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CM 2

CRN 43641-90-3

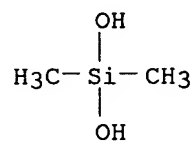
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CM 3

CRN 1066-42-8

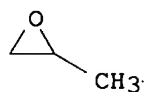
CMF C2 H8 O2 Si



CM 4

CRN 75-56-9

CMF C3 H6 O



CM 5

CRN 75-21-8

CMF C2 H4 O



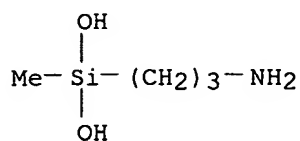
RN 296759-05-2 HCAPLUS

CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol, methylsilanediol and oxirane, graft (9CI) (CA INDEX NAME)

CM 1

CRN 158465-65-7

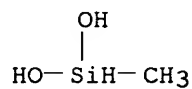
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CM 2

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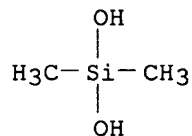
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CM 3

CRN 1066-42-8

CMF C2 H8 O2 Si



CM 4

CRN 75-21-8

CMF C2 H4 O



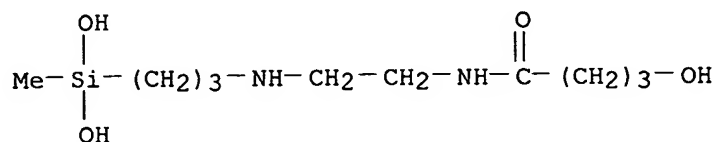
RN 332366-70-8 HCAPLUS

CN Butanamide, N-[2-[[3-(dihydroxymethylsilyl)propyl]amino]ethyl]-4-hydroxy-, polymer with dimethylsilanediol (9CI) (CA INDEX NAME)

CM 1

CRN 332366-69-5

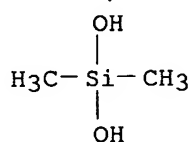
CMF C10 H24 N2 O4 Si



CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si



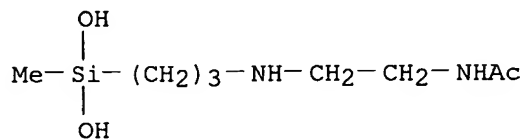
RN 332366-71-9 HCAPLUS

CN Acetamide, N-[2-[[3-(dihydroxymethylsilyl)propyl]amino]ethyl]-, polymer with dimethylsilanediol, methyloxirane, methylsilanediol and oxirane, graft (9CI) (CA INDEX NAME)

CM 1

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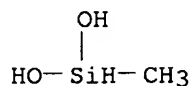
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CM 2

CRN 43641-90-3

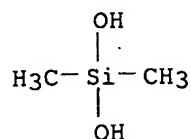
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CM 3

CRN 1066-42-8

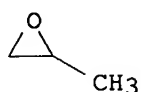
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CM 4

CRN 75-56-9

CMF C3 H6 O



CM 5

CRN 75-21-8

CMF C2 H4 O



L20 ANSWER 12 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2001:265553 HCAPLUS

DN 134:297512

TI **Fabric softener compositions**

IN Kvita, Petr; Otto, Peter; Dubini, Mario; Chrobaczek, Harald; Geubtner, Michael; Goretzki, Ralf; Weber, Barbara; Martin, Emmanuel

PA Ciba Specialty Chemicals Holding Inc., Switz.; Ciba Spezialitaetenchemie Pforsee G.m.b.H.

SO PCT Int. Appl., 47 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM C11D003-37

ICS C11D017-04; C11D003-12; C11D001-645; C11D001-62

CC 46-5 (Surface Active Agents and **Detergents**)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001025384	A1	20010412	WO 2000-EP9398	20000926
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RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,				

DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRAI EP 1999-810898 A 19991005

- AB A **compn.** to improve drape and smoothness of **textile** fiber materials in domestic applications comprises (a) a **fabric softener**, (b) .gtoreq.1 additive selected from the group consisting of a **polyethylene** or a mixt., a **fatty acid alkanolamide** or a mixt., a **polysilicic acid** or a mixt., and a **polyurethane** or a mixt., and (c) selected polyorganosiloxane compds. Thus, **textile** materials treated with a **compn.** prepd. by dissolving molten di(palmcarboxyethyl)hydroxyethylmethyllummonium methosulfate (Rewoquat WE 38 DPG) in water and mixing with polydimethylsiloxane hydroxy-terminated, and oxidized **polyethylene** showed improved smoothness.
- ST **fabric softener** smoothness **textile** fiber;
polysiloxane quaternary ammonium compd **polyethylene fabric softener**
- IT Amides, uses
RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(N-(hydroxyalkyl); **fabric softener compn.** to improve drape and smoothness of **textile** fiber materials)
- IT Quaternary ammonium compounds, uses
RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(Rewoquat WE 38 DPG, di(palmcarboxyethyl)hydroxyethyl-Me; **fabric softener compn.** to improve drape and smoothness of **textile** fiber materials)
- IT **Fabric softeners**
(**fabric softener compn.** to improve drape and smoothness of **textile** fiber materials)
- IT **Polysiloxanes**, uses
RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(**fabric softener compn.** to improve drape and smoothness of **textile** fiber materials)
- IT Surface smoothness
(of **textile** materials; **fabric softener compn.** to improve drape and smoothness of **textile** fiber materials)
- IT 9002-88-4D, **Polyethylene**, oxidized 31692-79-2, Polydimethylsiloxane hydroxy-terminated 156623-21-1 158465-66-8 254098-49-2D, Trimethylsilyl terminated 296759-05-2D, Trimethylsilyl terminated 332366-70-8D, Trimethylsilyl terminated 332899-90-8, Rewoquat WE 38DPG
RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(**fabric softener compn.** to improve drape and smoothness of **textile** fiber materials)

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Butterworth, R; US 5407588 A 1995 HCAPLUS
- (2) Colgate Palmolive Co; EP 0413416 A 1991 HCAPLUS
- (3) Dow Corning Ltd; DE 3932276 A 1990 HCAPLUS
- (4) Henkel Kgaa; EP 0133562 A 1985 HCAPLUS
- (5) Henkel Kgaa; EP 0739976 A 1996 HCAPLUS
- (6) Kao Corp; EP 0472178 A 1992 HCAPLUS
- (7) Mermelstein, R; US 5728673 A 1998 HCAPLUS

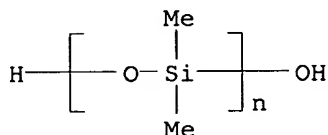
- (8) Pfersee Chem Fab; DE 3926005 A 1991 HCAPLUS
(9) Procter & Gamble; GB 1549180 A 1979 HCAPLUS
(10) Procter & Gamble; EP 0150872 A 1985 HCAPLUS
(11) Zenon, H; US 3992332 A 1976 HCAPLUS

IT 31692-79-2, Polydimethylsiloxane hydroxy-terminated
156623-21-1 158465-66-8 254098-49-2D,
Trimethylsilyl terminated 296759-05-2D, Trimethylsilyl
terminated 332366-70-8D, Trimethylsilyl terminated
RL: PRP (Properties); TEM (Technical or engineered material use); USES
(Uses)

(fabric softener compn. to improve drape
and smoothness of textile fiber materials)

RN 31692-79-2 HCAPLUS

CN Poly[oxy(dimethylsilylene)], .alpha.-hydro-.omega.-hydroxy- (8CI, 9CI)
(CA INDEX NAME)



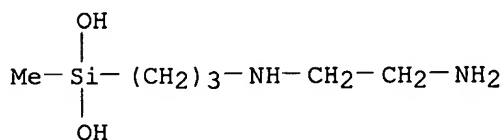
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dimethylsilanediol (9CI) (CA INDEX NAME)

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CRN 83145-66-8

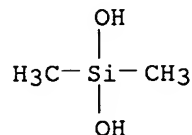
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CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si



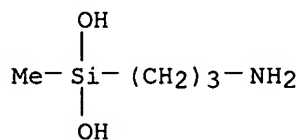
RN 158465-66-8 HCAPLUS

CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol (9CI)
(CA INDEX NAME)

CM 1

CRN 158465-65-7

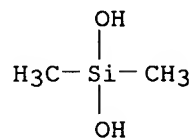
CMF C4 H13 N O2 Si



CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si



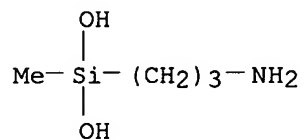
RN 254098-49-2 HCAPLUS

CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol, methyloxirane, methylsilanediol and oxirane, graft (9CI) (CA INDEX NAME)

CM 1

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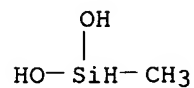
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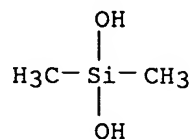
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CM 3

CRN 1066-42-8

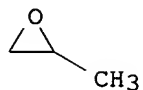
CMF C2 H8 O2 Si



CM 4

CRN 75-56-9

CMF C3 H6 O



CM 5

CRN 75-21-8

CMF C2 H4 O



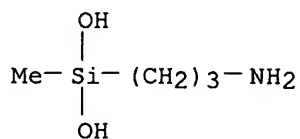
RN 296759-05-2 HCAPLUS

CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol, methylsilanediol and oxirane, graft (9CI) (CA INDEX NAME)

CM 1

CRN 158465-65-7

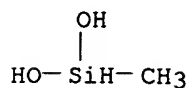
CMF C4 H13 N O2 Si



CM 2

CRN 43641-90-3

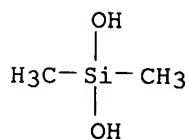
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CM 3

CRN 1066-42-8

CMF C2 H8 O2 Si



CM 4

CRN 75-21-8

CMF C2 H4 O



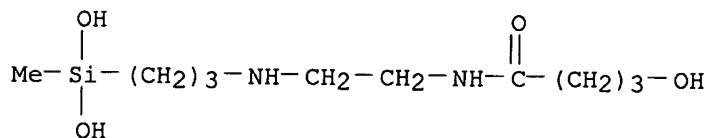
RN 332366-70-8 HCAPLUS

CN Butanamide, N-[2-[[3-(dihydroxymethylsilyl)propyl]amino]ethyl]-4-hydroxy-,
polymer with dimethylsilanediol (9CI) (CA INDEX NAME)

CM 1

CRN 332366-69-5

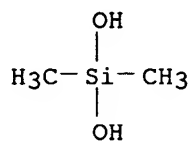
CMF C10 H24 N2 O4 Si



CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si

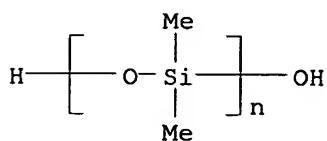


L20 ANSWER 13 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN
 AN 2001:265552 HCAPLUS
 DN 134:297511
 TI **Fabric softener compositions**
 IN Kvita, Petr; Otto, Peter; Dubini, Mario; Chrobaczek, Harald; Geubtner, Michael; Goretzki, Ralf; Weber, Barbara; Martin, Emmanuel
 PA Ciba Specialty Chemicals Holding Inc., Switz.; Ciba Spezialitaetenchemie Pforsee G.m.b.H.
 SO PCT Int. Appl., 49 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 IC ICM C11D003-37
 ICS C11D017-04; C11D003-12; C11D001-645; C11D001-62
 CC 46-5 (Surface Active Agents and **Detergents**)
 FAN.CNT 1

applicants

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001025383	A1	20010412	WO 2000-EP9396	20000926
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	BR 2000014553	A	20020604	BR 2000-14553	20000926
	EP 1218480	A1	20020703	EP 2000-969305	20000926
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
	JP 2003511574	T2	20030325	JP 2001-528539	20000926
PRAI	EP 1999-810899	A	19991005		
	WO 2000-EP9396	W	20000926		
AB	A compn. for imparting hydrophilicity to textile fiber materials in domestic applications comprises (a) a fabric softener , (b) .gtoreq.1 additive selected from the group consisting of a polyethylene or a mixt., a fatty acid alkanolamide or a mixt., a polysilicic acid or a mixt., and a polyurethane or a mixt., and (c) selected polyorganosiloxane compds. Thus, fabric materials treated with compn. prepd. by dissolving molten di(palmcarboxyethyl)hydroxyethylmethylammonium methosulfate (Rewoquat WE 38 DPG) in water and mixing with polydimethylsiloxane hydroxy-terminated, and oxidized polyethylene showed improved hydrophilicity.				
ST	fabric softener hydrophilicity textile fiber; polysiloxane quaternary ammonium compd polyethylene fabric softener				

- IT Amides, uses
RL: PRP (Properties); TEM (Technical or engineered material use); USES
(Uses)
(N-(hydroxyalkyl); **fabric softener** for imparting
hydrophilicity to **textile** fiber materials)
- IT Quaternary ammonium compounds, uses
RL: PRP (Properties); TEM (Technical or engineered material use); USES
(Uses)
(Rewoquat WE 38 DPG, di(palmcarboxyethyl)hydroxyethyl-Me;
fabric softener for imparting hydrophilicity to
textile fiber materials)
- IT **Fabric softeners**
Hydrophilicity
(**fabric softener** for imparting hydrophilicity to
textile fiber materials)
- IT **Polysiloxanes**, uses
RL: PRP (Properties); TEM (Technical or engineered material use); USES
(Uses)
(**fabric softener** for imparting hydrophilicity to
textile fiber materials)
- IT 9002-88-4D, **Polyethylene**, oxidized 31692-79-2,
Polydimethylsiloxane hydroxy-terminated 156618-32-5D,
Trimethylsilyl terminated 156623-21-1 156623-21-1D,
Trimethylsilyl terminated 158465-66-8 254098-49-2D,
Trimethylsilyl terminated 296759-05-2D, Trimethylsilyl
terminated 332366-70-8D, Trimethylsilyl terminated
332899-90-8, Rewoquat WE 38DPG
RL: PRP (Properties); TEM (Technical or engineered material use); USES
(Uses)
(**fabric softener** for imparting hydrophilicity to
textile fiber materials)
- RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE
(1) Butterworth, R; US 5407588 A 1995 HCAPLUS
(2) Ciba Geigy Ag; DE 19818983 A 1998 HCAPLUS
(3) Dow Corning; EP 0356210 A 1990 HCAPLUS
(4) Henkel Kgaa; EP 0133562 A 1985 HCAPLUS
(5) Henkel Kgaa; EP 0739976 A 1996 HCAPLUS
(6) Procter & Gamble; EP 0150872 A 1985 HCAPLUS
(7) Procter & Gamble; EP 0397245 A 1990 HCAPLUS
(8) Procter & Gamble; WO 9524460 A 1995 HCAPLUS
(9) Unilever Plc; EP 0459822 A 1991 HCAPLUS
- IT 31692-79-2, Polydimethylsiloxane hydroxy-terminated
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156623-21-1D, Trimethylsilyl terminated 158465-66-8
254098-49-2D, Trimethylsilyl terminated 296759-05-2D,
Trimethylsilyl terminated 332366-70-8D, Trimethylsilyl
terminated
RL: PRP (Properties); TEM (Technical or engineered material use); USES
(Uses)
(**fabric softener** for imparting hydrophilicity to
textile fiber materials)
- RN 31692-79-2 HCAPLUS
CN Poly[oxy(dimethylsilylene)], .alpha.-hydro-.omega.-hydroxy- (8CI, 9CI)
(CA INDEX NAME)



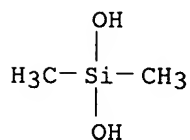
RN 156618-32-5 HCAPLUS

CN Silanediol, dimethyl-, polymer with oxirane, graft (9CI) (CA INDEX NAME)

CM 1

CRN 1066-42-8

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CM 2

CRN 75-21-8

CMF C2 H4 O



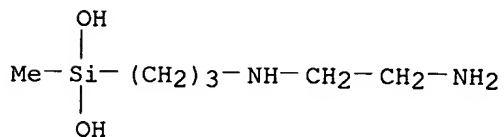
RN 156623-21-1 HCAPLUS

CN Silanediol, [3-[(2-aminoethyl)amino]propyl]methyl-, polymer with dimethylsilanediol (9CI) (CA INDEX NAME)

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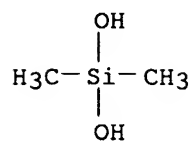
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CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si



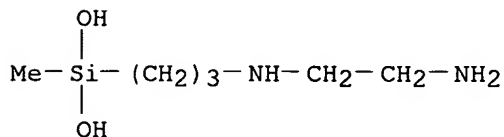
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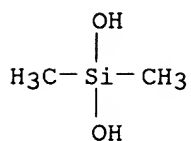
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CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si



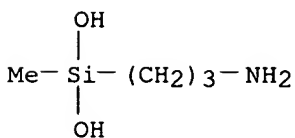
RN 158465-66-8 HCAPLUS

CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol (9CI) (CA INDEX NAME)

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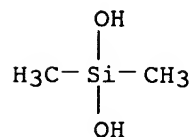
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CM 2

CRN 1066-42-8

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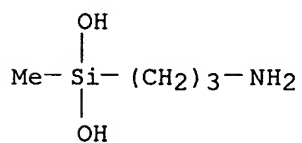
RN 254098-49-2 HCAPLUS

CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol, methyloxirane, methylsilanediol and oxirane, graft (9CI) (CA INDEX NAME)

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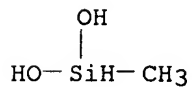
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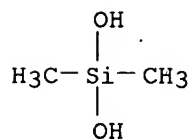
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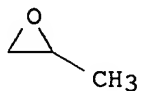
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CM 4

CRN 75-56-9
CMF C3 H6 O



CM 5

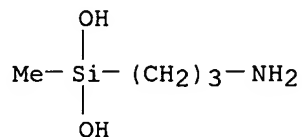
CRN 75-21-8
CMF C2 H4 O



RN 296759-05-2 HCAPLUS
CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol, methylsilanediol and oxirane, graft (9CI) (CA INDEX NAME)

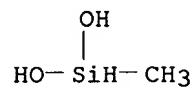
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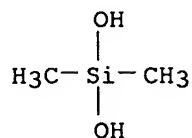
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CRN 43641-90-3
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CM 3

CRN 1066-42-8
CMF C2 H8 O2 Si



CM 4

CRN 75-21-8

CMF C2 H4 O



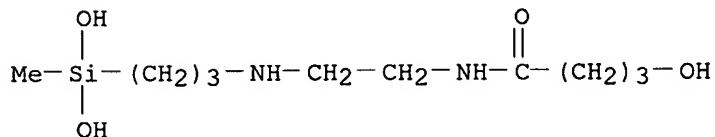
RN 332366-70-8 HCAPLUS

CN Butanamide, N-[2-[[3-(dihydroxymethylsilyl)propyl]amino]ethyl]-4-hydroxy-, polymer with dimethylsilanediol (9CI) (CA INDEX NAME)

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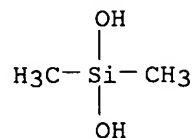
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CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si



L20 ANSWER 14 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2001:265551 HCAPLUS

DN 134:282505

TI **Fabric softener compositions**

IN Kvita, Petr; Otto, Peter; Dubini, Mario; Chrobaczek, Harald; Geubtner, Michael; Goretzki, Ralf; Weber, Barbara; Martin, Emmanuel

PA Ciba Specialty Chemicals Holding Inc., Switz.; Ciba Spezialitaetenchemie

Pfersee G.m.b.H.

SO PCT Int. Appl., 46 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM C11D003-37

ICS C11D017-04; C11D003-12; C11D001-645; C11D001-62

CC 46-5 (Surface Active Agents and Detergents)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001025382	A1	20010412	WO 2000-EP9395	20000926
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRAI	EP 1999-810900	A	19991005		
AB	A compn. for improving the elasticity of textile fiber materials in domestic applications comprises (a) a fabric softener , (b) .gtoreq.1 additive selected from the group consisting of a polyethylene or a mixt., a fatty acid alkanolamide or a mixt., a polysilicic acid or a mixt., and a polyurethane or a mixt., and (c) selected polyorganosiloxane compds. Thus, fabric treated with a compn. prepd. by dissolving molten di(palmcarboxyethyl)hydroxyethylmethyammonium methosulfate (Rewoquat WE 38 DPG) in water and mixing with polydimethylsiloxane hydroxy-terminated, and oxidized polyethylene showed improved elasticity.				
ST	fabric softener elasticity textile fiber; polysiloxane quaternary ammonium compd polyethylene fabric softener				
IT	Amides, uses RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses) (N-(hydroxyalkyl); fabric softener for improving the elasticity of textile fiber materials)				
IT	Quaternary ammonium compounds, uses RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses) (di(palmcarboxyethyl)hydroxyethyl-Me; fabric softener for improving the elasticity of textile fiber materials)				
IT	Fabric softeners (fabric softener for improving the elasticity of textile fiber materials)				
IT	Polysiloxanes , uses Polyurethanes , uses RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses) (fabric softener for improving the elasticity of textile fiber materials)				
IT	Elasticity (of textiles ; fabric softener for improving the elasticity of textile fiber materials)				

IT 9002-88-4D, **Polyethylene**, oxidized 31692-79-2,
Polydimethylsiloxane hydroxy-terminated 156618-33-6D,
Trimethylsilyl terminated 156623-21-1D, Trimethylsilyl
terminated 158465-66-8 158465-66-8D, Trimethylsilyl
terminated 162918-92-5 254098-49-2
332366-70-8D, Trimethylsilyl terminated 332366-71-9D,
Trimethylsilyl terminated 332899-90-8, Rewoquat WE 38DPG
RL: PRP (Properties); TEM (Technical or engineered material use); USES
(Uses)

(**fabric softener** for improving the elasticity of
textile fiber materials)

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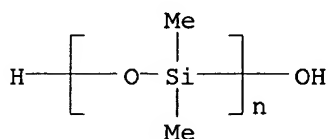
- (1) Bayer Ag; DE 3930410 A 1991 HCAPLUS
- (2) Butterworth, R; US 5407588 A 1995 HCAPLUS
- (3) Dow Corning; DE 2754704 A 1978 HCAPLUS
- (4) Dow Corning Toray Silicone; EP 0770725 A 1997 HCAPLUS
- (5) Henkel Kgaa; EP 0133562 A 1985 HCAPLUS
- (6) Henkel Kgaa; EP 0739976 A 1996 HCAPLUS
- (7) Hubesch, B; US 5830843 A 1998 HCAPLUS
- (8) Procter & Gamble; EP 0150872 A 1985 HCAPLUS
- (9) Unilever Plc; EP 0544493 A 1993 HCAPLUS

IT 31692-79-2, Polydimethylsiloxane hydroxy-terminated
156618-33-6D, Trimethylsilyl terminated 156623-21-1D,
Trimethylsilyl terminated 158465-66-8 158465-66-8D,
Trimethylsilyl terminated 162918-92-5 254098-49-2
332366-70-8D, Trimethylsilyl terminated 332366-71-9D,
Trimethylsilyl terminated
RL: PRP (Properties); TEM (Technical or engineered material use); USES
(Uses)

(**fabric softener** for improving the elasticity of
textile fiber materials)

RN 31692-79-2 HCAPLUS

CN Poly[oxy(dimethylsilylene)], .alpha.-hydro-.omega.-hydroxy- (8CI, 9CI)
(CA INDEX NAME)



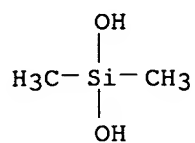
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CN Silanediol, dimethyl-, polymer with methyloxirane and oxirane, graft (9CI)
(CA INDEX NAME)

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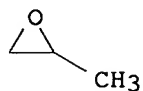
CMF C2 H8 O2 Si



CM 2

CRN 75-56-9

CMF C3 H6 O



CM 3

CRN 75-21-8

CMF C2 H4 O



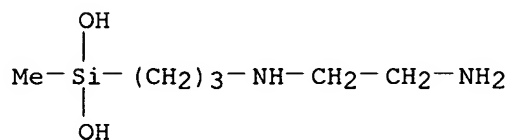
RN 156623-21-1 HCAPLUS

CN Silanediol, [3-[(2-aminoethyl)amino]propyl]methyl-, polymer with dimethylsilanediol (9CI) (CA INDEX NAME)

CM 1

CRN 83145-66-8

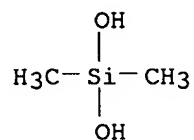
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CM 2

CRN 1066-42-8

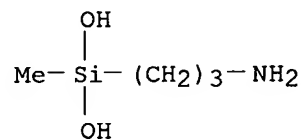
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(CA INDEX NAME)

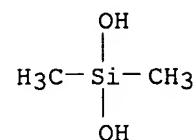
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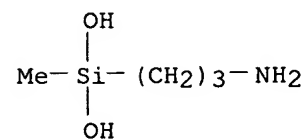
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(CA INDEX NAME)

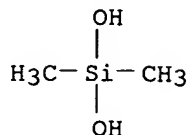
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CM 2

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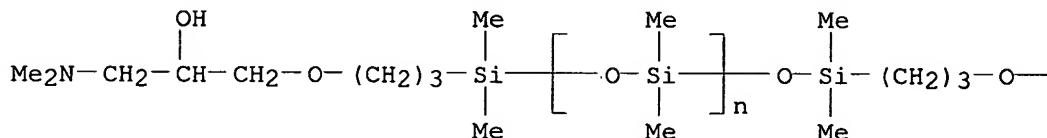


RN 162918-92-5 HCAPLUS
CN Poly[oxy(dimethylsilylene)], .alpha.-[[3-[3-(dimethylamino)-2-hydroxypropoxy]propyl]dimethylsilyl]-.omega.-[[[3-[3-(dimethylamino)-2-hydroxypropoxy]propyl]dimethylsilyl]oxy]-, diacetate (salt) (9CI) (CA INDEX NAME)

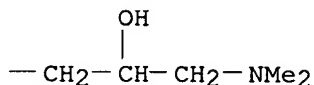
CM 1

CRN 162918-91-4
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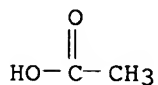


PAGE 1-B



CM 2

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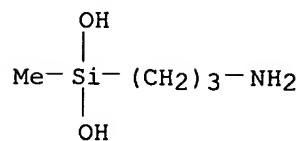


RN 254098-49-2 HCAPLUS
CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol, methyloxirane, methylsilanediol and oxirane, graft (9CI) (CA INDEX NAME)

CM 1

CRN 158465-65-7

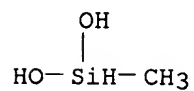
CMF C4 H13 N O2 Si



CM 2

CRN 43641-90-3

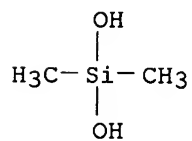
CMF C H6 O2 Si



CM 3

CRN 1066-42-8

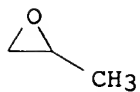
CMF C2 H8 O2 Si



CM 4

CRN 75-56-9

CMF C3 H6 O



CM 5

CRN 75-21-8

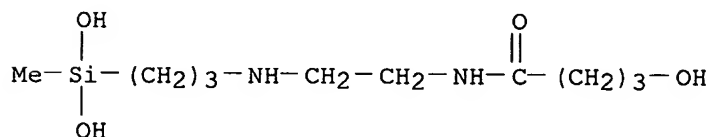
CMF C2 H4 O



RN 332366-70-8 HCAPLUS
CN Butanamide, N-[2-[[3-(dihydroxymethylsilyl)propyl]amino]ethyl]-4-hydroxy-,
polymer with dimethylsilanediol (9CI) (CA INDEX NAME)

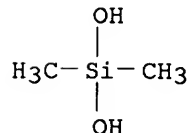
CM 1

CRN 332366-69-5
CMF C10 H24 N2 O4 Si



CM 2

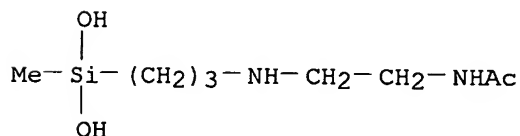
CRN 1066-42-8
CMF C2 H8 O2 Si



RN 332366-71-9 HCAPLUS
CN Acetamide, N-[2-[[3-(dihydroxymethylsilyl)propyl]amino]ethyl]-, polymer
with dimethylsilanediol, methyloxirane, methylsilanediol and oxirane,
graft (9CI) (CA INDEX NAME)

CM 1

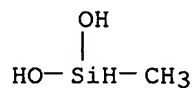
CRN 201551-57-7
CMF C8 H20 N2 O3 Si



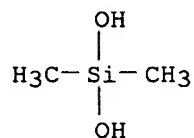
CM 2

CRN 43641-90-3

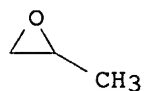
CMF C H6 O2 Si



CM 3

CRN 1066-42-8
CMF C2 H8 O2 Si

CM 4

CRN 75-56-9
CMF C3 H6 O

CM 5

CRN 75-21-8
CMF C2 H4 O

L20 ANSWER 15 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2001:265550 HCAPLUS

DN 134:282504

TI **Fabric softener compositions**

IN Kvita, Petr; Otto, Peter; Dubini, Mario; Chrobaczek, Harald; Geubtner, Michael; Goretzki, Ralf; Weber, Barbara; Martin, Emmanuel

PA Ciba Specialty Chemicals Holding Inc., Switz.; Ciba Spezialitaetenchemie Pflersee G.m.b.H.

SO PCT Int. Appl., 47 pp.

CODEN: PIXXD2

DT Patent

LA English

applicant

IC ICM C11D003-37

ICS C11D017-04; C11D003-12; C11D001-645; C11D001-62

CC 46-5 (Surface Active Agents and Detergents)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001025381	A1	20010412	WO 2000-EP9394	20000926
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	BR 2000014551	A	20020604	BR 2000-14551	20000926
	EP 1218481	A1	20020703	EP 2000-971288	20000926
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, MC, IE, SI, LT, LV, FI, RO, MK, CY, AL				
	JP 2003511573	T2	20030325	JP 2001-528537	20000926
PRAI	EP 1999-810901	A	19991005		
	WO 2000-EP9394	W	20000926		
AB	A softener compn. for antipilling treatment of textile fiber materials in domestic applications comprises (a) a fabric softener (b) .gtoreq.1 additive selected from the group consisting of a polyethylene or a mixt., a fatty acid alkanolamide or a mixt., a polysilicic acid , or a mixt. and a polyurethane , or a mixt. and (c) a selected polyorganosiloxane compd. A compn. was prepd. by dissolving molten di(palmcarboxyethyl)hydroxyethylmethyllummonium methosulfate (Rewoquat WE 38 DPG) in water and mixing with hydroxy-terminated polydimethylsiloxane and oxidized polyethylene showed good antipilling properties.				
ST	fabric softener antipilling textile fiber; polysiloxane quaternary ammonium compd polyethylene fabric softener				
IT	Amides, uses RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses) (N-(hydroxyalkyl); fabric softener for antipilling treatment of textile fiber materials)				
IT	Quaternary ammonium compounds, uses RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses) (di(palmcarboxyethyl)hydroxyethyl-Me; fabric softener for antipilling treatment of textile fiber materials)				
IT	Fabric softeners (fabric softener for antipilling treatment of textile fiber materials)				
IT	Polysiloxanes , uses RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses) (fabric softener for antipilling treatment of textile fiber materials)				
IT	9002-88-4D, Polyethylene , oxidized 31692-79-2, Polydimethylsiloxane hydroxy-terminated 156618-32-5 156618-33-6D, Trimethylsilyl terminated 156623-21-1				

156623-21-1D, Trimethylsilyl terminated 158465-66-8
158465-66-8D, Trimethylsilyl terminated 162918-92-5D,
Trimethylsilyl terminated 254098-49-2D, Trimethylsilyl
terminated 296759-05-2D, Trimethylsilyl terminated
332899-90-8, Rewoquat WE 38DPG

RL: PRP (Properties); TEM (Technical or engineered material use); USES
(Uses)

(fabric softener for antipilling treatment of
textile fiber materials)

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE

- (1) Butterworth, R; US 5407588 A 1995 HCAPLUS
- (2) Henkel Kgaa; EP 0133562 A 1985 HCAPLUS
- (3) Hubesch, B; US 5830843 A 1998 HCAPLUS
- (4) Procter & Gamble; EP 0150872 A 1985 HCAPLUS
- (5) Procter & Gamble; EP 0397245 A 1990 HCAPLUS
- (6) Sasol Chemical Ind; GB 2281316 A 1995 HCAPLUS
- (7) Unilever Plc; EP 0459822 A 1991 HCAPLUS
- (8) Zenon, H; US 3992332 A 1976 HCAPLUS

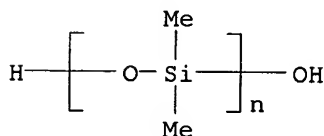
IT 31692-79-2, Polydimethylsiloxane hydroxy-terminated
156618-32-5 156618-33-6D, Trimethylsilyl terminated
156623-21-1 156623-21-1D, Trimethylsilyl terminated
158465-66-8 158465-66-8D, Trimethylsilyl terminated
162918-92-5D, Trimethylsilyl terminated 254098-49-2D,
Trimethylsilyl terminated 296759-05-2D, Trimethylsilyl
terminated

RL: PRP (Properties); TEM (Technical or engineered material use); USES
(Uses)

(fabric softener for antipilling treatment of
textile fiber materials)

RN 31692-79-2 HCAPLUS

CN Poly[oxy(dimethylsilylene)], .alpha.-hydro-.omega.-hydroxy- (8CI, 9CI)
(CA INDEX NAME)



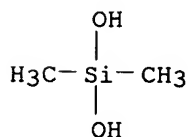
RN 156618-32-5 HCAPLUS

CN Silanediol, dimethyl-, polymer with oxirane, graft (9CI) (CA INDEX NAME)

CM 1

CRN 1066-42-8

CMF C2 H8 O2 Si



CM 2

CRN 75-21-8

CMF C2 H4 O



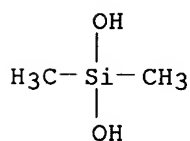
RN 156618-33-6 HCAPLUS

CN Silanediol, dimethyl-, polymer with methyloxirane and oxirane, graft (9CI)
(CA INDEX NAME)

CM 1

CRN 1066-42-8

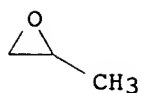
CMF C2 H8 O2 Si



CM 2

CRN 75-56-9

CMF C3 H6 O



CM 3

CRN 75-21-8

CMF C2 H4 O



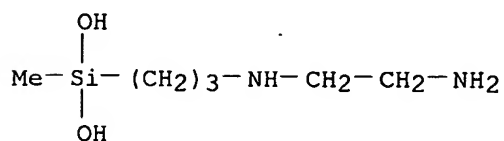
RN 156623-21-1 HCAPLUS

CN Silanediol, [3-[(2-aminoethyl)amino]propyl]methyl-, polymer with
dimethylsilanediol (9CI) (CA INDEX NAME)

CM 1

CRN 83145-66-8

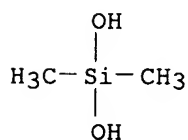
CMF C6 H18 N2 O2 Si



CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si



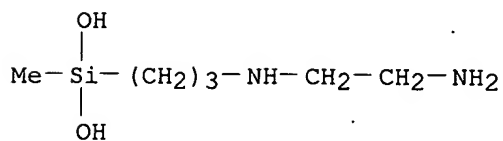
RN 156623-21-1 HCAPLUS

CN Silanediol, [3-[(2-aminoethyl)amino]propyl]methyl-, polymer with dimethylsilanediol (9CI) (CA INDEX NAME)

CM 1

CRN 83145-66-8

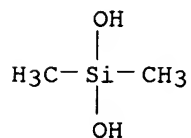
CMF C6 H18 N2 O2 Si



CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si



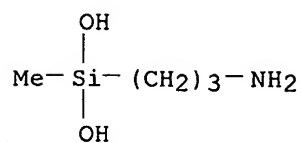
RN 158465-66-8 HCAPLUS

CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol (9CI) (CA INDEX NAME)

CM 1

CRN 158465-65-7

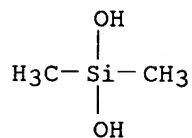
CMF C4 H13 N O2 Si



CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si



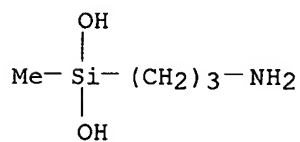
RN 158465-66-8 HCAPLUS

CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol (9CI)
(CA INDEX NAME)

CM 1

CRN 158465-65-7

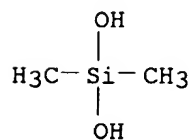
CMF C4 H13 N O2 Si



CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si



RN 162918-92-5 HCAPLUS

CN Poly[oxy(dimethylsilylene)], .alpha.-[[3-[3-(dimethylamino)-2-hydroxypropoxy]propyl]dimethylsilyl]-.omega.-[[[3-[3-(dimethylamino)-2-hydroxypropoxy]propyl]dimethylsilyl]oxy]-, diacetate (salt) (9CI) (CA INDEX NAME)

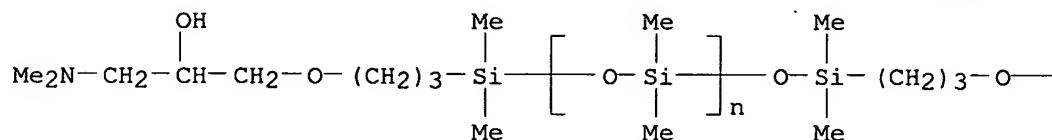
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CRN 162918-91-4

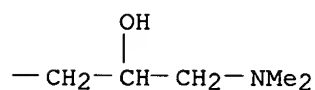
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CCI PMS

PAGE 1-A



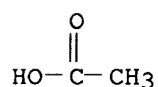
PAGE 1-B



CM 2

CRN 64-19-7

CMF C2 H4 O2



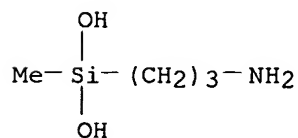
RN 254098-49-2 HCAPLUS

CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol, methyloxirane, methylsilanediol and oxirane, graft (9CI) (CA INDEX NAME)

CM 1

CRN 158465-65-7

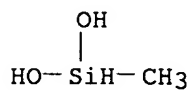
CMF C4 H13 N O2 Si



CM 2

CRN 43641-90-3

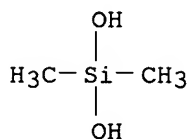
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CM 3

CRN 1066-42-8

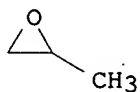
CMF C2 H8 O2 Si



CM 4

CRN 75-56-9

CMF C3 H6 O



CM 5

CRN 75-21-8

CMF C2 H4 O



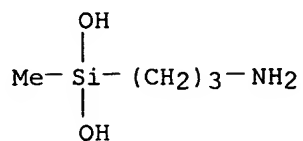
RN 296759-05-2 HCAPLUS

CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol, methylsilanediol and oxirane, graft (9CI) (CA INDEX NAME)

CM 1

CRN 158465-65-7

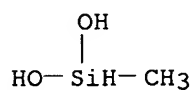
CMF C4 H13 N O2 Si



CM 2

CRN 43641-90-3

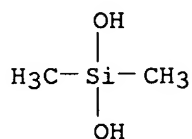
CMF C H6 O2 Si



CM 3

CRN 1066-42-8

CMF C2 H8 O2 Si



CM 4

CRN 75-21-8

CMF C2 H4 O



L20 ANSWER 16 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2001:265549 HCAPLUS

DN 134:282503

TI **Fabric softener compositions**

IN Kvita, Petr; Otto, Peter; Dubini, Mario; Chrobaczek, Harald; Geubtner, Michael; Goretzki, Ralf; Weber, Barbara; Martin, Emmanuel

PA Ciba Specialty Chemicals Holding Inc., Switz.; Ciba Spezialitaetenchemie Pfersee G.m.b.H.

SO PCT Int. Appl., 50 pp.

CODEN: PIXXD2

DT Patent

applicant

LA English

IC ICM C11D003-37

ICS C11D017-04; C11D003-12; C11D001-645; C11D001-62

CC 46-5 (Surface Active Agents and Detergents)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001025380	A1	20010412	WO 2000-EP9393	20000926
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	BR 2000014502	A	20020611	BR 2000-14502	20000926
	EP 1218479	A1	20020703	EP 2000-967790	20000926
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, MC, IE, SI, LT, LV, FI, RO, MK, CY, AL				
	JP 2003511572	T2	20030325	JP 2001-528536	20000926
PRAI	EP 1999-810902	A	19991005		
	WO 2000-EP9393	W	20000926		
AB	A compn. for enhancing the abrasion resistance of textile fiber materials in domestic applications, comprises (a) a fabric softener (b) .gtoreq.1 additive selected from the group consisting of a polyethylene or a mixt., a fatty acid alkanolamide or a mixt., a polysilicic acid or a mixt. and (d) a polyurethane or a mixt. and (c) a selected polyorganosiloxane compd. Thus, a compn. was prepd. by dissolving molten di(palmarboxyethyl)hydroxyethylmethyammonium methosulfate (Rewoquat WE 38 DPG) in water and mixing with hydroxy-terminated polydimethylsiloxane and oxidized polyethylene and showed improved abrasion resistance of textile .				
ST	fabric softener abrasion resistance textile fiber; quaternary ammonium compd polysiloxane polyethylene oxidized fabric softener				
IT	Amides, uses RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses) (N-(hydroxyalkyl), fatty acid; fabric softener compn. for enhancing the abrasion resistance of textile fiber materials in domestic applications)				
IT	Fabric softeners (fabric softener compn. for enhancing the abrasion resistance of textile fiber materials in domestic applications)				
IT	Quaternary ammonium compounds, uses RL: BSU (Biological study, unclassified); MFM (Metabolic formation); TEM (Technical or engineered material use); BIOL (Biological study); FORM (Formation, nonpreparative); USES (Uses) (fabric softener compn. for enhancing the abrasion resistance of textile fiber materials in domestic applications)				
IT	Polysiloxanes , uses Polyurethanes , uses RL: PRP (Properties); TEM (Technical or engineered material use); USES				

(Uses)

(**fabric softener compn.** for enhancing the abrasion resistance of **textile** fiber materials in domestic applications)

IT 9002-88-4D, **Polyethylene**, oxidized 31692-79-2, Polydimethylsiloxane hydroxy-terminated 156618-32-5D, Trimethylsilyl terminated 156618-33-6D, Trimethylsilyl terminated 156623-21-1 156623-21-1D, Trimethylsilyl terminated 158465-66-8 158465-66-8D, Trimethylsilyl terminated 162918-92-5 254098-49-2D, Trimethylsilyl terminated 332366-70-8D, Trimethylsilyl terminated 332366-71-9D, Trimethylsilyl terminated 332899-90-8, Rewoquat WE 38DPG

RL: PRP (Properties); TEM (Technical or engineered material use); USES

(Uses)

(**fabric softener compn.** for enhancing the abrasion resistance of **textile** fiber materials in domestic applications)

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Butterworth, R; US 5407588 A 1995 HCAPLUS
- (2) Henkel Kgaa; EP 0133562 A 1985 HCAPLUS
- (3) Hubesch, B; US 5830843 A 1998 HCAPLUS
- (4) Procter & Gamble; EP 0150872 A 1985 HCAPLUS
- (5) Procter & Gamble; EP 0397245 A 1990 HCAPLUS
- (6) Procter & Gamble; EP 0919608 A 1999 HCAPLUS
- (7) Sasol Chemical Ind; GB 2281316 A 1995 HCAPLUS
- (8) Unilever Plc; EP 0459822 A 1991 HCAPLUS

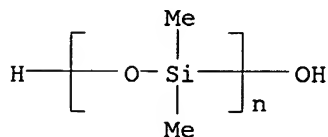
IT 31692-79-2, Polydimethylsiloxane hydroxy-terminated 156618-32-5D, Trimethylsilyl terminated 156618-33-6D, Trimethylsilyl terminated 156623-21-1 156623-21-1D, Trimethylsilyl terminated 158465-66-8 158465-66-8D, Trimethylsilyl terminated 162918-92-5 254098-49-2D, Trimethylsilyl terminated 332366-70-8D, Trimethylsilyl terminated 332366-71-9D, Trimethylsilyl terminated
RL: PRP (Properties); TEM (Technical or engineered material use); USES

(Uses)

(**fabric softener compn.** for enhancing the abrasion resistance of **textile** fiber materials in domestic applications)

RN 31692-79-2 HCAPLUS

CN Poly[oxy(dimethylsilylene)], .alpha.-hydro-.omega.-hydroxy- (8CI, 9CI)
(CA INDEX NAME)



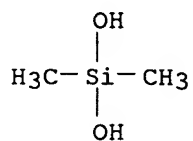
RN 156618-32-5 HCAPLUS

CN Silanediol, dimethyl-, polymer with oxirane, graft (9CI) (CA INDEX NAME)

CM 1

CRN 1066-42-8

CMF C2 H8 O2 Si



CM 2

CRN 75-21-8

CMF C2 H4 O



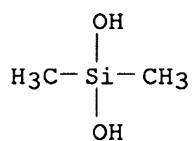
RN 156618-33-6 HCAPLUS

CN Silanediol, dimethyl-, polymer with methyloxirane and oxirane, graft (9CI)
(CA INDEX NAME)

CM 1

CRN 1066-42-8

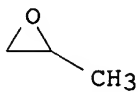
CMF C2 H8 O2 Si



CM 2

CRN 75-56-9

CMF C3 H6 O



CM 3

CRN 75-21-8

CMF C2 H4 O

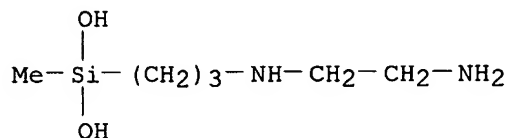


RN 156623-21-1 HCAPLUS
CN Silanediol, [3-[(2-aminoethyl)amino]propyl]methyl-, polymer with dimethylsilanediol (9CI) (CA INDEX NAME)

CM 1

CRN 83145-66-8

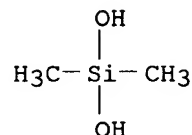
CMF C6 H18 N2 O2 Si



CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si

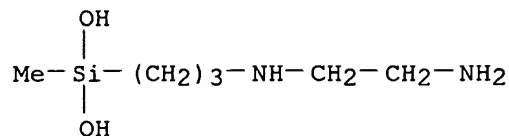


RN 156623-21-1 HCAPLUS
CN Silanediol, [3-[(2-aminoethyl)amino]propyl]methyl-, polymer with dimethylsilanediol (9CI) (CA INDEX NAME)

CM 1

CRN 83145-66-8

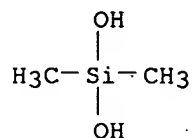
CMF C6 H18 N2 O2 Si



CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si



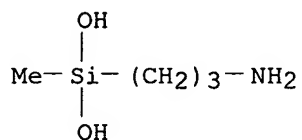
RN 158465-66-8 HCAPLUS

CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol (9CI)
(CA INDEX NAME)

CM 1

CRN 158465-65-7

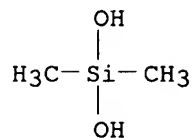
CMF C4 H13 N O2 Si



CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si



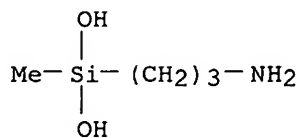
RN 158465-66-8 HCAPLUS

CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol (9CI)
(CA INDEX NAME)

CM 1

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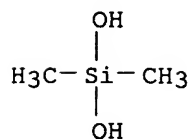
CMF C4 H13 N O2 Si



CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si



RN 162918-92-5 HCAPLUS

CN Poly[oxy(dimethylsilylene)], .alpha.-[[3-[3-(dimethylamino)-2-hydroxypropoxy]propyl]dimethylsilyl]-.omega.-[[[3-[3-(dimethylamino)-2-hydroxypropoxy]propyl]dimethylsilyl]oxy]-, diacetate (salt) (9CI) (CA INDEX NAME)

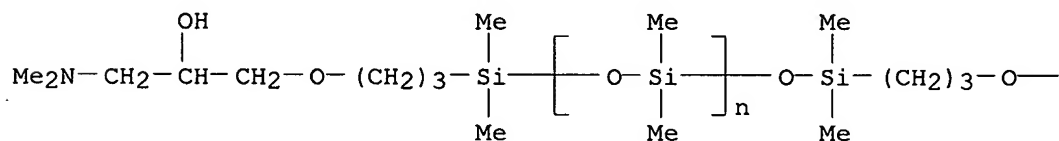
CM 1

CRN 162918-91-4

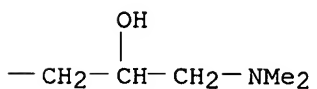
CMF (C2 H6 O Si)_n C20 H48 N2 O5 Si2

CCI PMS

PAGE 1-A



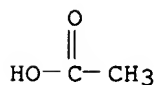
PAGE 1-B



CM 2

CRN 64-19-7

CMF C2 H4 O2



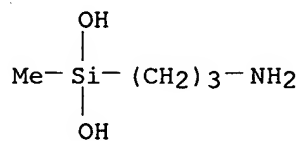
RN 254098-49-2 HCAPLUS

CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol, methyloxirane, methylsilanediol and oxirane, graft (9CI) (CA INDEX NAME)

CM 1

CRN 158465-65-7

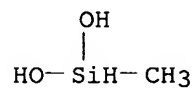
CMF C4 H13 N O2 Si



CM 2

CRN 43641-90-3

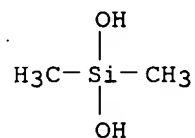
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CM 3

CRN 1066-42-8

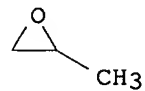
CMF C2 H8 O2 Si



CM 4

CRN 75-56-9

CMF C3 H6 O



CM 5

CRN 75-21-8

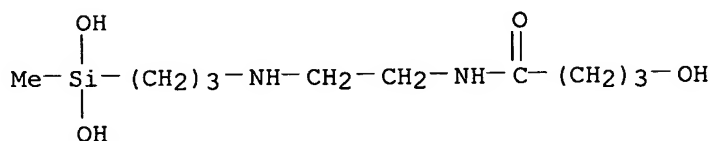
CMF C2 H4 O



RN 332366-70-8 HCAPLUS
CN Butanamide, N-[2-[[3-(dihydroxymethylsilyl)propyl]amino]ethyl]-4-hydroxy-,
polymer with dimethylsilanediol (9CI) (CA INDEX NAME)

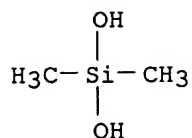
CM 1

CRN 332366-69-5
CMF C10 H24 N2 O4 Si



CM 2

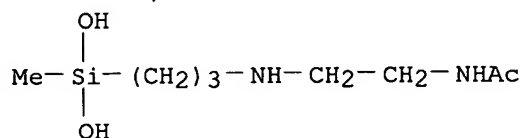
CRN 1066-42-8
CMF C2 H8 O2 Si



RN 332366-71-9 HCAPLUS
CN Acetamide, N-[2-[[3-(dihydroxymethylsilyl)propyl]amino]ethyl]-, polymer
with dimethylsilanediol, methyloxirane, methylsilanediol and oxirane,
graft (9CI) (CA INDEX NAME)

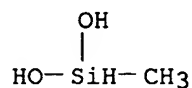
CM 1

CRN 201551-57-7
CMF C8 H20 N2 O3 Si



CM 2

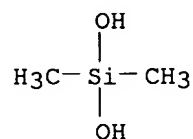
CRN 43641-90-3
CMF C H6 O2 Si



CM 3

CRN 1066-42-8

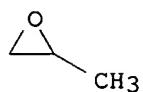
CMF C2 H8 O2 Si



CM 4

CRN 75-56-9

CMF C3 H6 O



CM 5

CRN 75-21-8

CMF C2 H4 O



L20 ANSWER 17 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN
AN 2001:114842 HCAPLUS
DN 134:164861
TI Process for cleaning textile using **compositions** containing
siloxanes
IN Mei, Wang Ping; Wu, Peter S.; Chiang, Samuel N.
PA Dow Corning Taiwan, Ltd., Taiwan
SO Eur. Pat. Appl., 11 pp.
CODEN: EPXXDW
DT Patent
LA English
IC ICM C11D003-16
ICS C11D003-04; C11D003-10; C11D001-38

ICI C11D001-62

CC 46-5 (Surface Active Agents and Detergents)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1076088	A1	20010214	EP 1999-119749	19991006
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
PRAI	KR 1999-32449	A	19990807		
AB	Title process comprises applying a compn. comprising a low mol. wt. linear siloxane represented by the formula $\text{CH}_3((\text{CH}_3)_2\text{SiO})_n\text{Si}(\text{CH}_3)_2\text{CH}_3$ wherein n is an integer from 1 to 7, and a cationic surfactant to stained textiles and heating it in the presence of an inorg. base compd. at a temp. below which the textiles are deteriorated. Thus, a compn. comprising decamethyltetrasiloxane 0.66, trilaurylmethylammonium chloride 0.19, polyethylene glycol 2,6,8-trimehyl-4-nonyl ether 0.06, polyethylene glycol C12-15 sec-alkyl ether 0.31, polyethylene glycol C12-14 sec-alkyl ether 0.103, water 0.49, org. solvents 0.187 removed an oil spot on a cotton fabric completely in 90.degree. water contg. NaOH.				
ST	textile cleaning compn siloxane cationic surfactant				
IT	Polyoxyalkylenes, uses RL: TEM (Technical or engineered material use); USES (Uses) (C12-15 sec-alkyl ethers, nonionic surfactant; siloxane-contg. textile cleaning compns. useful for oily or silicone stains)				
IT	Quaternary ammonium compounds, uses RL: TEM (Technical or engineered material use); USES (Uses) (cationic surfactant; siloxane-contg. textile cleaning compns. useful for oily or silicone stains)				
IT	Surfactants (cationic; siloxane-contg. textile cleaning compns. useful for oily or silicone stains)				
IT	Textiles (cotton; siloxane-contg. textile cleaning compns. useful for oily or silicone stains)				
IT	Detergents (laundry, liq., optionally emulsion; siloxane-contg. textile cleaning compns. useful for oily or silicone stains)				
IT	Surfactants (nonionic; siloxane-contg. textile cleaning compns. useful for oily or silicone stains)				
IT	Fabric softeners (silicone-type; siloxane-contg. textile cleaning compns. useful for oily or silicone stains)				
IT	Polysiloxanes , uses RL: POF (Polymer in formulation); REM (Removal or disposal); TEM (Technical or engineered material use); PROC (Process); USES (Uses) (siloxane-contg. textile cleaning compns. useful for oily or silicone stains)				
IT	112-02-7, Cetyltrimethylammonium chloride 1875-92-9D, Benzyldimethylamine hydrochloride, alkyl derivs. 3401-74-9, Didodecyldimethylammonium chloride 7173-54-8, Trilaurylmethylammonium chloride RL: TEM (Technical or engineered material use); USES (Uses) (cationic surfactant; siloxane-contg. textile cleaning compns. useful for oily or silicone stains)				
IT	25322-68-3D, Polyethylene glycol, C12-15 sec-alkyl ethers 60828-78-6				

RL: TEM (Technical or engineered material use); USES (Uses)
(nonionic surfactant; siloxane-contg. textile cleaning compns. useful
for oily or silicone stains)

IT 107-46-0, Hexamethyldisiloxane 107-51-7, Octamethyltrisiloxane
141-62-8, Decamethyltetrasiloxane 144-55-8, Sodium hydrogen carbonate,
uses 497-19-8, Sodium carbonate, uses 1310-58-3, Potassium hydroxide,
uses 1310-73-2, Sodium hydroxide, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(siloxane-contg. textile cleaning compns. useful for oily or silicone
stains)

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Dow Corning Corp; US 2710843 A 1955 HCAPLUS
- (2) Dow Corning Taiwan Ltd; DE 19948186 A 2000 HCAPLUS
- (3) Kasprzak, K; US 4685930 A 1987 HCAPLUS
- (4) Nickel, F; US 4654041 A 1987 HCAPLUS
- (5) Tokyo Shibaura Electric Co; EP 0458969 A 1991 HCAPLUS

L20 ANSWER 18 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2001:25655 HCAPLUS

DN 134:87561

TI Fiber treatment **composition** containing amine-, polyol-,
functional siloxanes

IN Evans, Martin John; Griffin, Howard Edwin; Kemp, Raymond; Kennan, Linda
Denise; Zimmerman, Kenneth Edward

PA Dow Corning Corporation, USA; Dow Corning, Ltd.

SO U.S., 8 pp.

CODEN: USXXAM

DT Patent

LA English

IC ICM D06M015-643

ICS D06M023-00

NCL 252008810

CC 40-9 (**Textiles** and Fibers)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6171515	B1	20010109	US 1999-389142	19990902
	EP 1081271	A1	20010307	EP 2000-118813	20000831
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2001115030	A2	20010424	JP 2000-266053	20000901
PRAI	US 1999-389142	A	19990902		

AB The title emulsion **compn.** provides good hand, resistance to
yellowing, and hydrophilicity to the fibers in **textiles**. The
title emulsion also contains an epoxy-, glycol siloxane.

ST amine polyol siloxane finishing agent **textile**; **textile**
finishing agent emulsion; yellowing resistance hydrophilicity finish
emulsion; cotton **textile** finishing agent; softness
hydrophilicity finish emulsion

IT **Textiles**

(cotton; fiber treatment **compn.** contg. amine-,
polyol-functional siloxanes and epoxy glycol siloxane)

IT Polyolefin fibers

RL: PEP (Physical, engineering or chemical process); PROC (Process)

(ethylene; fiber treatment **compn.** contg. amine-,
polyol-functional siloxanes and epoxy glycol siloxane)

IT **Fabric softeners**

Silk

Wool

(fiber treatment **compn.** contg. amine-, polyol-functional siloxanes and epoxy glycol siloxane)

IT Acetate fibers, processes

Acrylic fibers, processes

Polyamide fibers, processes

Polyester fibers, processes

Polypropene fibers, processes

Rayon, processes

RL: PEP (Physical, engineering or chemical process); PROC (Process)

(fiber treatment **compn.** contg. amine-, polyol-functional siloxanes and epoxy glycol siloxane)

IT **Textiles**

(linen; fiber treatment **compn.** contg. amine-, polyol-functional siloxanes and epoxy glycol siloxane)

IT Polysiloxanes, uses

RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(polyether-, quaternized; fiber treatment **compn.** contg. amine-, polyol-functional siloxanes and epoxy glycol siloxane)

IT Polyethers, uses

RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(siloxane-, quaternized; fiber treatment **compn.** contg. amine-, polyol-functional siloxanes and epoxy glycol siloxane)

IT 106-92-3D, Allyl glycidyl ether, reaction products with polysiloxanes

52232-27-6D, **Polyethylene polypropylene** glycol allyl

methyl ether, reaction products with polysiloxanes **156118-35-3D**,

Dimethylsilanediol-methylsilanediol copolymer, trimethylsilyl-terminated, amine- polyol-functional

RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(fiber treatment **compn.** contg. amine-, polyol-functional siloxanes and epoxy glycol siloxane)

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Anon; EP 0399706 A2 1990 HCAPLUS

(2) Cray; US 5100991 1992 HCAPLUS

(3) Cray; US 5118535 1992 HCAPLUS

(4) Cray; US 5925779 1999 HCAPLUS

(5) Czech; US 5593611 1997 HCAPLUS

(6) Gee; US 5925469 1999 HCAPLUS

(7) Halloran; US 5707434 1998 HCAPLUS

(8) Halloran; US 5707435 1998 HCAPLUS

(9) Ichinohe; US 4409267 1983 HCAPLUS

(10) Lane; US 4661577 1987 HCAPLUS

(11) Lane; US 4705704 1987 HCAPLUS

(12) Lautenschlager; "Structure Activity Relationships of Aminofunctional Siloxanes as Components in Softening Finishes", Textile Chemist and Colorist 1995, V27(3), P27 HCAPLUS

(13) Martin; US 3890269 1975 HCAPLUS

(14) Ona; US 4311626 1982 HCAPLUS

(15) Ona; US 4359545 1982 HCAPLUS

(16) Ona; US 4427815 1984 HCAPLUS

(17) Tanaka; US 4680366 1987 HCAPLUS

(18) Tanaka; US 4757121 1988 HCAPLUS

(19) Traver; US 5132443 1992 HCAPLUS

(20) White; US 4599438 1986 HCAPLUS

(21) White; US 4624676 1986 HCAPLUS

IT 156118-35-3D, Dimethylsilanediol-methylsilanediol copolymer,
trimethylsilyl-terminated, amine- polyol-functional
RL: PRP (Properties); TEM (Technical or engineered material use); USES
(Uses)

(fiber treatment **compn.** contg. amine-, polyol-functional
siloxanes and epoxy glycol siloxane)

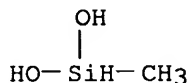
RN 156118-35-3 HCAPLUS

CN Silanediol, dimethyl-, polymer with methylsilanediol (9CI) (CA INDEX
NAME)

CM 1

CRN 43641-90-3

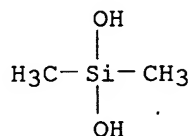
CMF C H6 O2 Si



CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si



L20 ANSWER 19 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2001:1215 HCAPLUS

DN 134:57916

TI Nitrogen atom-containing polysiloxanes, their preparation, and use in
fiber and **fabric** finishing agent **compositions**

IN Omura, Naoki; Isobe, Kenichi

PA Shin-Etsu Chemical Co., Ltd., Japan

SO Eur. Pat. Appl., 35 pp.

CODEN: EPXXDW

DT Patent

LA English

IC ICM D06M015-643

ICS C08L083-06

CC 40-9 (**Textiles** and Fibers)

Section cross-reference(s): 37

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1063344	A2	20001227	EP 2000-305285	20000622
	EP 1063344	A3	20020410		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO

JP 2001011186	A2	20010116	JP 1999-180093	19990625
JP 2001011187	A2	20010116	JP 1999-180094	19990625
US 6515095	B1	20030204	US 2000-599023	20000621
CN 1287130	A	20010314	CN 2000-118735	20000623

PRAI JP 1999-180093 A 19990625
JP 1999-180094 A 19990625

AB The title polysiloxanes having residual alkoxy groups are effective for treating fibers or fibrous materials for imparting softness and durability of home laundering and preventing yellowing. Thus, an emulsion contg. aminoethylaminopropyl-terminated polydimethylsiloxane was tested on cotton **fabric** and cotton-polyester **fabric** showing good softness, good washfastness (washed 10 times), and very little (b value) yellowing.

ST polysiloxane nitrogen contg **fabric** finishing agent; aminoalkyl terminated polydimethylsiloxane

IT **Fabric** finishing
(agents; aminoalkyl-terminated polysiloxanes for fiber and **fabric** finishing agent compns. showing softness, durability, and yellowing resistance)

IT **Fabric softeners**
(aminoalkyl-terminated polysiloxanes for fiber and **fabric** finishing agent compns. showing softness, durability, and yellowing resistance)

IT Polysiloxanes, uses
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(aminoalkyl-terminated; aminoalkyl-terminated polysiloxanes for fiber and **fabric** finishing agent compns. showing softness, durability, and yellowing resistance)

IT **Textiles**
(cotton-polyester; aminoalkyl-terminated polysiloxanes for fiber and **fabric** finishing agent compns. showing softness, durability, and yellowing resistance)

IT **Textiles**
(cotton; aminoalkyl-terminated polysiloxanes for fiber and **fabric** finishing agent compns. showing softness, durability, and yellowing resistance)

IT 126021-43-ODP, **Polyethylene** glycol butyl glycidyl ether, reaction products with aminoethylaminopropyl-terminated polydimethylsiloxane 158296-66-3P 168202-72-0P 168202-73-1P 313998-76-4P 313998-77-5P 313998-78-6P 313998-79-7P 313998-80-0P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(aminoalkyl-terminated polysiloxanes for fiber and **fabric** finishing agent compns. showing softness, durability, and yellowing resistance)

IT 1760-24-3, N-.beta.-(Aminoethyl)-.gamma.-aminopropyltrimethoxysilane 3069-29-2, N-.beta.-(Aminoethyl)-.gamma.-aminopropylmethyldimethoxysilane 3663-44-3, .gamma.-Aminopropylmethyldimethoxysilane 31692-79-2, Hydroxy-terminated polydimethylsiloxane 31900-57-9, Dimethylsilanediol homopolymer 78051-20-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(aminoalkyl-terminated polysiloxanes for fiber and **fabric** finishing agent compns. showing softness, durability, and yellowing resistance)

IT 158296-66-3P 168202-72-0P 168202-73-1P
 313998-76-4P 313998-77-5P 313998-78-6P
 313998-79-7P 313998-80-0P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(aminoalkyl-terminated polysiloxanes for fiber and **fabric** finishing agent compns. showing softness, durability, and yellowing resistance)

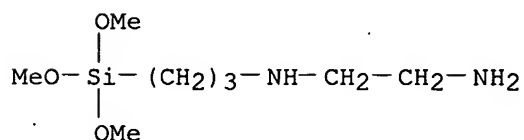
RN 158296-66-3 HCAPLUS

CN Silanediol, dimethyl-, polymer with N-[3-(trimethoxysilyl)propyl]-1,2-ethanediamine (9CI) (CA INDEX NAME)

CM 1

CRN 1760-24-3

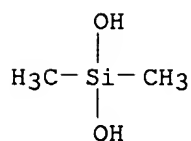
CMF C8 H22 N2 O3 Si



CM 2

CRN 1066-42-8

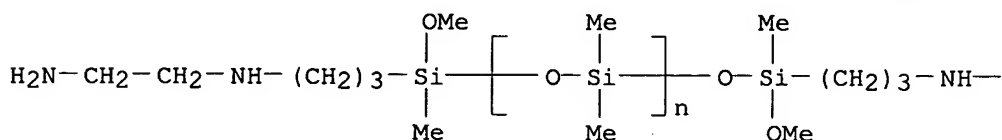
CMF C2 H8 O2 Si



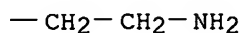
RN 168202-72-0 HCAPLUS

CN Poly[oxy(dimethylsilylene)], .alpha.-[[3-[(2-aminoethyl)amino]propyl]methoxymethylsilyl]-.omega.-[[[3-[(2-aminoethyl)amino]propyl]methoxymethylsilyl]oxy]- (9CI) (CA INDEX NAME)

PAGE 1-A

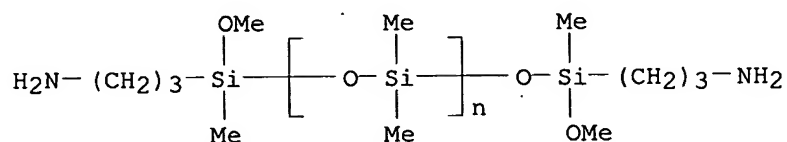


PAGE 1-B



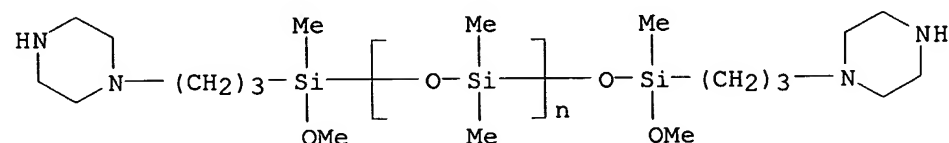
RN 168202-73-1 HCAPLUS

CN Poly[oxy(dimethylsilylene)], .alpha.-[(3-aminopropyl)methoxymethylsilyl]-
 .omega.-[[[(3-aminopropyl)methoxymethylsilyl]oxy]- (9CI) (CA INDEX NAME)



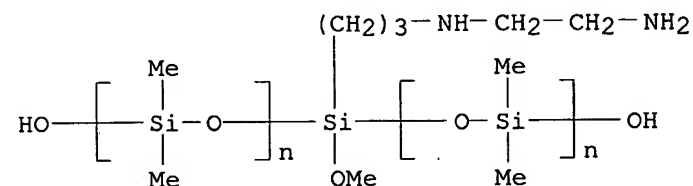
RN 313998-76-4 HCAPLUS

CN Poly[oxy(dimethylsilylene)], .alpha.-[methoxy[3-(1-piperazinyl)propyl]methylsilyl]-.omega.-[[methoxy[3-(1-piperazinyl)propyl]methylsilyl]oxy]- (9CI) (CA INDEX NAME)



RN 313998-77-5 HCAPLUS

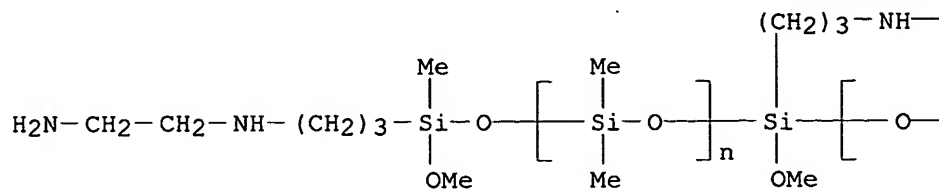
CN Poly[oxy(dimethylsilylene)], .alpha.,.alpha.'-[[3-[(2-aminoethyl)amino]propyl]methoxysilylene]bis[.omega.-hydroxy- (9CI) (CA INDEX NAME)



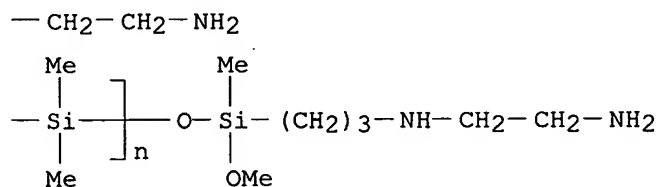
RN 313998-78-6 HCAPLUS

CN Poly[oxy(dimethylsilylene)], .alpha.,.alpha.'-[[3-[(2-aminoethyl)amino]propyl]methoxysilylene]bis[.omega.-[[[3-[(2-aminoethyl)amino]propyl]methoxymethylsilyl]oxy]- (9CI) (CA INDEX NAME)

PAGE 1-A



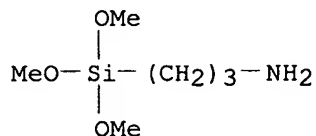
PAGE 1-B



RN 313998-79-7 HCAPLUS
 CN Silanediol, dimethyl-, polymer with 3-(trimethoxysilyl)-1-propanamine
 (9CI) (CA INDEX NAME)

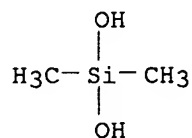
CM 1

CRN 13822-56-5
 CMF C6 H17 N O3 Si



CM 2

CRN 1066-42-8
 CMF C2 H8 O2 Si

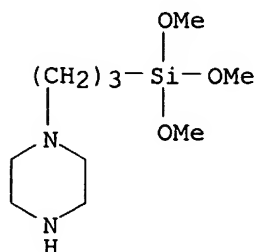


RN 313998-80-0 HCAPLUS
 CN Silanediol, dimethyl-, polymer with 1-[3-(trimethoxysilyl)propyl]piperazin
 e (9CI) (CA INDEX NAME)

CM 1

CRN 40762-28-5

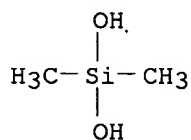
CMF C10 H24 N2 O3 Si



CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si



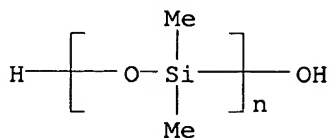
IT 31692-79-2, Hydroxy-terminated polydimethylsiloxane

31900-57-9, Dimethylsilanediol homopolymer

RL: RCT (Reactant); RACT (Reactant or reagent)

(aminoalkyl-terminated polysiloxanes for fiber and **fabric** finishing agent compns. showing softness, durability, and yellowing resistance)

RN 31692-79-2 HCAPLUS

CN Poly[oxy(dimethylsilylene)], .alpha.-hydro-.omega.-hydroxy- (8CI, 9CI)
(CA INDEX NAME)

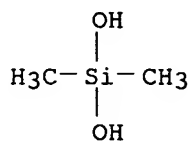
RN 31900-57-9 HCAPLUS

CN Silanediol, dimethyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 1066-42-8

CMF C2 H8 O2 Si



L20 ANSWER 20 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2000:842343 HCAPLUS

DN 134:30641

TI Stabilization of **fabric softening compositions**

IN Clarke, David Ellis; Small, Samantha

PA Unilever PLC, UK; Unilever NV; Hindustan Lever Limited

SO PCT Int. Appl., 39 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM D06M015-643

ICS D06M013-463; C11D003-37; C11D001-62; C11D017-00; C11D003-00;
C11D003-50

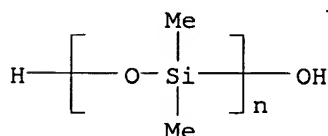
CC 46-5 (Surface Active Agents and **Detergents**)

Section cross-reference(s): 40

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000071807	A1	20001130	WO 2000-EP4224	20000508
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR,				
	CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,				
	ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,				
	LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE,				
	SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW,				
	AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,				
	DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,				
	CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 1190136	A1	20020327	EP 2000-936732	20000508
	R:				
	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
	IE, SI, LT, LV, FI, RO				
	EP 1335062	A2	20030813	EP 2003-7246	20000508
	R:				
	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
	IE, FI, CY				
	US 6303565	B1	20011016	US 2000-569663	20000512
	US 6251850	B1	20010626	US 2000-570864	20000515
PRAI	GB 1999-11942	A	19990521		
	GB 1999-14266	A	19990618		
	EP 2000-931176	A3	20000508		
	WO 2000-EP4224	W	20000508		
AB	A process of improving the viscosity stability upon storage at temp. of 25-40.degree. of a fabric softening compn. comprising: (a) 8-50 wt.% of a cationic fabric softening agent and (b) perfume is characterized by inclusion of 3.5-15 wt.% (based upon the total amt. of the compn.) of an emulsified silicone which has been emulsified with one or more cationic surfactants. In one aspect, the viscosity of the silicone before emulsification is 10,000-400,000 cSt and the emulsion is a macro-emulsion. In another aspect, the median emulsified silicone droplet size is 0.2-25 .mu.m.				

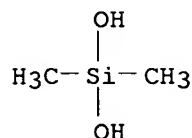
ST silicone emulsified stabilizer **fabric softener**
IT Surfactants
(cationic; stabilization of **fabric softening** compns.)
IT Quaternary ammonium compounds, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(coco alkyltrimethyl, methosulfate, pentaethoxylated Me; stabilization of **fabric softening** compns.)
IT **Polysiloxanes**, uses
RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)
(macro-emulsion; stabilization of **fabric softening** compns.)
IT Emulsifying agents
Fabric softeners
Stabilizing agents
(stabilization of **fabric softening** compns.)
IT **31692-79-2**, Dimethylsilanediol homopolymer, hydroxy-terminated sru
31900-57-9, Dimethylsilanediol homopolymer
RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)
(stabilization of **fabric softening** compns.)
IT 112-02-7, Cetyltrimethylammonium chloride 9002-92-0,
Polyethylene glycol lauryl ether 65060-02-8,
Cetyltrimethylammonium methosulfate
RL: TEM (Technical or engineered material use); USES (Uses)
(stabilization of **fabric softening** compns.)
RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE
(1) Dow Corning; EP 0356210 A 1990 HCAPLUS
(2) Dow Corning; EP 0661398 A 1995 HCAPLUS
(3) Procter & Gamble; WO 9119037 A 1991 HCAPLUS
(4) Procter & Gamble; WO 9731998 A 1997 HCAPLUS
(5) Toray Silicone Co; EP 0285391 A 1988 HCAPLUS
(6) Unilever Plc; EP 0544493 A 1993 HCAPLUS
(7) Unilever Plc; EP 0789070 A 1997 HCAPLUS
(8) Whitehill Oral Tech Inc; WO 9511746 A 1995 HCAPLUS
IT **31692-79-2**, Dimethylsilanediol homopolymer, hydroxy-terminated sru
31900-57-9, Dimethylsilanediol homopolymer
RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)
(stabilization of **fabric softening** compns.)
RN 31692-79-2 HCAPLUS
CN Poly[oxy(dimethylsilylene)], .alpha.-hydro-.omega.-hydroxy- (8CI, 9CI)
(CA INDEX NAME)



RN 31900-57-9 HCAPLUS
CN Silanediol, dimethyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 1066-42-8
CMF C2 H8 O2 Si



L20 ANSWER 21 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN
AN 2000:666851 HCAPLUS
DN 133:254248
TI Perfumed liquid household **compositions** for fabric cleaning and deodorizing packaged in **polyethylene** bottles modified to preserve perfume integrity
IN Woo, Ricky Ah-man; Reece, Steven; Streutker, Alen David; Ireton, Kimberly Ann; Fritz, Mark David; Schneiderman, Eva
PA The Procter & Gamble Company, USA
SO PCT Int. Appl., 24 pp.
CODEN: PIXXD2
DT Patent
LA English
IC ICM C11D003-50
ICS C11D017-04
CC 46-6 (Surface Active Agents and **Detergents**)
Section cross-reference(s): 38

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000055292	A1	20000921	WO 2000-US7137	20000317
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1161517	A1	20011212	EP 2000-916483	20000317
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
TW 418094	B	20010111	TW 2000-89105006	20000413
ZA 2001007410	A	20020312	ZA 2001-7410	20010907
PRAI US 1999-125043P	P	19990318		
WO 2000-US7137	W	20000317		

AB Bottled cleaning and deodorizing compns. comprise surfactant and a perfume which contains a substantial proportion of hydrophobic perfume ingredients having a calcd. hydrophobicity parameter logP (ClogP) >3. The bottles are made of high-d. **polyethylene** (HDPE) and have a continuous inner surface layer of nylon, poly(ethene terephthalate) or fluorinated **polyethylene** in order to prevent migration into and/or transmission through the HDPE of the hydrophobic perfume ingredients.
ST fabric cleaning liq **compn** perfume preservation

polyethylene bottle; HDPE bottle fabric liq cleaning deodorizing compn perfume preservation; perfume hydrophobic migration prevention HDPE bottle PET liner; **polyethylene** fluorinated liner HDPE bottle hydrophobic perfume migration prevention

IT Perfumes

(hydrophobic; liq. fabric cleaning and deodorizing compns. packaged in HDPE bottles with inner liner for preventing diffusion of)

IT Detergents

(laundry, liq.; liq. fabric cleaning and deodorizing compns. packaged in HDPE bottles with inner liner for preventing diffusion of hydrophobic perfumes)

IT Polyesters, uses

RL: NUU (Other use, unclassified); USES (Uses)

(liq. fabric cleaning and deodorizing compns. packaged in HDPE bottles with inner PET liner for preventing diffusion of hydrophobic perfumes)

IT Bottles

Deodorants

Detergents

Surfactants

(liq. fabric cleaning and deodorizing compns. packaged in HDPE bottles with inner liner for preventing diffusion of hydrophobic perfumes)

IT Polyamides, uses

RL: NUU (Other use, unclassified); USES (Uses)

(liq. fabric cleaning and deodorizing compns. packaged in HDPE bottles with inner polyamide liner for preventing diffusion of hydrophobic perfumes)

IT Fabric softeners

(liq.; liq. fabric cleaning and deodorizing compns. packaged in HDPE bottles with inner liner for preventing diffusion of hydrophobic perfumes)

IT Polysiloxanes, uses

Polysiloxanes, uses

RL: TEM (Technical or engineered material use); USES (Uses)

(polyoxyalkylene-, surfactants, Silwet 7600; liq. fabric cleaning and deodorizing compns. packaged in HDPE bottles with inner liner for preventing diffusion of hydrophobic perfumes)

IT Polyoxyalkylenes, uses

Polyoxyalkylenes, uses

RL: TEM (Technical or engineered material use); USES (Uses)

(polysiloxane-, surfactants, Silwet 7600; liq. fabric cleaning and deodorizing compns. packaged in HDPE bottles with inner liner for preventing diffusion of hydrophobic perfumes)

IT 9002-88-4, **Polyethylene**

RL: TEM (Technical or engineered material use); USES (Uses)

(high-d., bottle; liq. fabric cleaning and deodorizing compns. packaged in HDPE bottles modified to preserve hydrophobic perfume integrity)

IT 7585-39-9D, .beta.-Cyclodextrin, hydroxypropyl derivs.

RL: TEM (Technical or engineered material use); USES (Uses)

(liq. fabric cleaning and deodorizing compns. packaged in HDPE bottles modified to preserve hydrophobic perfume compatible with)

IT 25038-59-9, PET polyester, uses

RL: NUU (Other use, unclassified); USES (Uses)

(liq. fabric cleaning and deodorizing compns. packaged in HDPE bottles with inner PET liner for preventing diffusion of hydrophobic perfumes)

IT 9002-88-4D, **Polyethylene**, fluorinated

RL: NUU (Other use, unclassified); USES (Uses)

(liq. fabric cleaning and deodorizing compns. packaged in HDPE bottles with inner fluorinated **polyethylene** liner for preventing

diffusion of hydrophobic perfumes)

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE

- (1) Air Prod & Chem; EP 0300385 A 1989 HCAPLUS
- (2) Chen, L; US 4919834 A 1990 HCAPLUS
- (3) Eschwey, M; US 4869859 A 1989
- (4) Procter & Gamble; WO 9856337 A 1998 HCAPLUS
- (5) Procter & Gamble; WO 9604940 A 1996 HCAPLUS
- (6) Toppan Printing Co; JP 53021675 A 1978
- (7) Yoshino Kogyosho Co Ltd; EP 0641719 A 1995

L20 ANSWER 22 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2000:441999 HCAPLUS

DN 133:75294

TI **Compositions** for treating **textiles** for decreasing
damage during high-speed sewingIN Meier, Helmut-Martin; Kummeler, Ferdinand; Kierspe, Detlev; Dijks,
Jacob-Cornelis

PA Bayer Aktiengesellschaft, Germany

SO PCT Int. Appl., 55 pp.

CODEN: PIXXD2

DT Patent

LA German

IC ICM D06M013-148

ICS D06M013-17; D06M013-224; D06M013-372; D06M013-368; D06M013-463;
D06M015-643; D06M015-227; D06M015-647CC 40-9 (**Textiles** and **Fibers**)

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000037735	A1	20000629	WO 1999-EP9771	19991210
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19859294	A1	20000629	DE 1998-19859294	19981222
CA 2355370	AA	20000629	CA 1999-2355370	19991210
BR 9916435	A	20010904	BR 1999-16435	19991210
EP 1144749	A1	20011017	EP 1999-964541	19991210
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002533581	T2	20021008	JP 2000-589780	19991210
PRAI DE 1998-19859294	A	19981222		
WO 1999-EP9771	W	19991210		
OS MARPAT 133:75294				
AB	Compns. for the title use contain (a) 0-30% polyols prepd. by reaction of HCNO with ketones having .gtoreq.4 H's adjacent to the CO group in the presence of an alkali catalyst, (b) 0-30% polyols different than (a), (c) 0.1-10% adducts of C12-22 fatty acids, C8-18 fatty alcs., C12-36 alkylamines, di-C12-36-alkylamines, or C9-24-alkylphenols with 2-100 mol ethylene oxide, (d) 70-99.9% aq. compns. contg. 10-90% softener , with the (a) + (b) .gtoreq. 0.1% (based on total). The softeners contain various combinations of reaction products of C12-22 carboxylic			

acids with C2-6 alkanolamines having 1 or 2 N and 1-3 OH groups, R1R2R3R4N 1/t(Xt-) [R1 = C14-25 alkyl, C14-25 alkenyl contg. amide and(or) ester bridges; R2 = C1-4 alkyl or R1; R3, R4 = C1-4 alkyl, hydroxyethyl, hydroxypropyl, or benzyl; Xt- = t-valent anion, t = 1-3], fatty ester from C12-22 fatty acids or C4-10 diacids and 1-4-valent C3-20 alcs., adducts of C12-22 fatty acids, C8-18 fatty alcs., C12-36 alkylamines, di-C12-36-alkylamines, or C9-24-alkylphenols with 2-100 mol ethylene oxide, diorganopolysiloxanes with viscosity 1000-100,000 mm²/s, oxidized **polyethylene** wax emulsion, cationic emulsifier prep'd. by reaction of 2-20 mol ethylene oxide and(or) propylene oxide with C10-22 alkylamines, polyether-polysiloxanes, org. phosphoric acid salts, perfumes, amphoteric surfactants, C1-18 alcs., reaction products of C18-22 carboxylic acids with diethylenetriamine, triethylenetetramine, dimethylaminopropylamine, paraffin wax, vegetable oil (esp. rape oil), stearylscarcoside, sulfonated beef tallow, and sulfonated paraffin wax or their alkali or alk.-earth salts.

ST polyol treatment **textile** high speed sewing damage prevention;
alkanesulfonate treatment **textile** high speed sewing damage prevention; sulfonated tallow treatment **textile** high speed sewing damage prevention; stearylscarcoside treatment **textile** high speed sewing damage prevention; rape oil treatment **textile** high speed sewing damage prevention; paraffin wax treatment **textile** high speed sewing damage prevention; polyamine polyamide treatment **textile** high speed sewing damage prevention; phosphate salt treatment **textile** high speed sewing damage prevention; polyether polysiloxane treatment **textile** high speed sewing damage prevention; polyoxyalkylene alkylamine treatment **textile** high speed sewing damage prevention; oxidized **polyethylene** treatment **textile** high speed sewing damage prevention; polysiloxane treatment **textile** high speed sewing damage prevention; fatty ester treatment **textile** high speed sewing damage prevention; quaternary ammonium treatment **textile** high speed sewing damage prevention; alkanolamine acylated treatment **textile** high speed sewing damage prevention; polyoxyethylene ether treatment **textile** high speed sewing damage prevention

IT Alcohols, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(C1-18; compns. for treating **textiles** for decreasing damage during high-speed sewing)

IT Alcohols, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(C12-13, ethoxylated; compns. for treating **textiles** for decreasing damage during high-speed sewing)

IT Fatty acids, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(C20-22, reaction products with triethylenetetramine and HDI; compns. for treating **textiles** for decreasing damage during high-speed sewing)

IT Sulfonic acids, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(alkanesulfonic, C8-18; compns. for treating **textiles** for decreasing damage during high-speed sewing)

IT Polysiloxanes, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(amino, N-formylated; compns. for treating **textiles** for decreasing damage during high-speed sewing)

IT Amine oxides

RL: TEM (Technical or engineered material use); USES (Uses)

- (coco, N,N-di-Me; compns. for treating **textiles** for decreasing damage during high-speed sewing)
- IT **Fabric softeners**
(compns. for treating **textiles** for decreasing damage during high-speed sewing)
- IT Carbohydrates, uses
Polysiloxanes, uses
Quaternary ammonium compounds, uses
Rape oil
RL: TEM (Technical or engineered material use); USES (Uses)
(compns. for treating **textiles** for decreasing damage during high-speed sewing)
- IT **Textiles**
(cotton; compns. for treating **textiles** for decreasing damage during high-speed sewing)
- IT Fatty acids, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(esters; compns. for treating **textiles** for decreasing damage during high-speed sewing)
- IT Amines, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(ethoxylated, tallow; compns. for treating **textiles** for decreasing damage during high-speed sewing)
- IT Paraffin waxes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(hard; compns. for treating **textiles** for decreasing damage during high-speed sewing)
- IT Phosphates, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(org.; compns. for treating **textiles** for decreasing damage during high-speed sewing)
- IT Polysiloxanes, uses
Polysiloxanes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polyether-; compns. for treating **textiles** for decreasing damage during high-speed sewing)
- IT Alcohols, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polyhydric; compns. for treating **textiles** for decreasing damage during high-speed sewing)
- IT Polyoxyalkylenes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(reaction products with tallow amines; compns. for treating **textiles** for decreasing damage during high-speed sewing)
- IT Polyethers, uses
Polyethers, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(siloxane-; compns. for treating **textiles** for decreasing damage during high-speed sewing)
- IT 50-00-0D, Formaldehyde, reaction products with amino siloxanes, uses
50-99-7, Glucose, uses 56-81-5, 1,2,3-Propanetriol, uses 57-11-4D, Stearic acid, reaction products with behenic acid, aminoethylethanolamine, (dimethylamino)aminopropane, and di-Me sulfate 64-19-7D, Acetic acid, reaction products with stearic acid and triethylenetetramine, uses 77-78-1D, Dimethyl sulfate, reaction products with stearic acid, behenic acid, (dimethylamino)aminopropane, and (aminoethyl)ethanolamine 77-99-6, Trimethylolpropane 78-83-1, Isobutanol, uses 102-71-6, uses 107-21-1, 1,2-Ethanediol, uses 109-55-7D, 1-(Dimethylamino)-3-

aminopropane, reaction products with stearic acid, behenic acid, (aminoethyl)ethanolamine, and di-Me sulfate 111-41-1D, reaction products with stearic acid, behenic acid, (dimethylamino)aminopropane, and di-Me sulfate 111-42-2D, Diethanolamine, reaction products with stearic acid 111-46-6, uses 112-24-3D, Triethylenetetramine, reaction products with stearic acid and acetic acid 112-27-6 112-85-6D, Behenic acid, reaction products with stearic acid, aminoethylethanolamine, (dimethylamino)aminopropane, and di-Me sulfate 115-77-5, uses 126-30-7 126-58-9, Dipentaerythritol 142-48-3, N-Stearoylsarcosine 822-06-0D, HDI, reaction products with C20-22 fatty acid and triethylenetetramine 4318-03-0, Dibutyl phosphate diethanolamine salt 4744-47-2 9002-92-0, **Polyethylene glycol dodecyl ether** 9004-96-0, **Polyethylene glycol oleate** 9004-98-2, **Polyethylene glycol oleyl ether** 9004-99-3, **Polyethylene glycol stearate** 9005-00-9, **Polyethylene glycol stearyl ether** 9016-00-6, Dimethylsilanediol homopolymer, sru 25037-57-4, Poly(octamethylcyclotetrasiloxane) 25322-68-3D, **Polyethylene glycol**, reaction products with tallow amines 25618-55-7, Polyglycerol 31900-57-9, Dimethylsilanediol homopolymer 50858-36-1, Pentadecanesulfonic acid 59113-36-9, Diglycerol 91761-84-1 278615-52-4 278615-53-5 278615-54-6 278615-55-7 278615-56-8 278615-57-9 278792-60-2, Rilanit STS-T 278792-61-3, Vestowax V 4124
 RL: TEM (Technical or engineered material use); USES (Uses)

(comps. for treating **textiles** for decreasing damage during high-speed sewing)

IT 9002-88-4D, **Polyethylene**, oxidized

RL: TEM (Technical or engineered material use); USES (Uses)

(wax; comps. for treating **textiles** for decreasing damage during high-speed sewing)

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Anon; PATENT ABSTRACTS OF JAPAN 1997, V1997(11)
- (2) Bayer Ag; EP 0075770 A 1983 HCAPLUS
- (3) Beghin Say Sa; FR 2603623 A 1988 HCAPLUS
- (4) Behler, A; WO 9905246 A 1999 HCAPLUS
- (5) Ciba Geigy Ag; EP 0696661 A 1996 HCAPLUS
- (6) Hardt, P; MELLIAND TEXTILBERICHTE, INTERNATIONAL TEXTILE REPORTS 1990, V71(9), P699
- (7) Hoechst Ag; EP 0691396 A 1996 HCAPLUS
- (8) Kao Corp; JP 09195167 A 1997 HCAPLUS
- (9) Sandoz Ltd; EP 0641833 A 1995 HCAPLUS

IT 9016-00-6, Dimethylsilanediol homopolymer, sru 31900-57-9

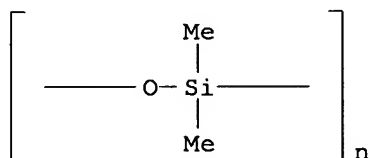
, Dimethylsilanediol homopolymer

RL: TEM (Technical or engineered material use); USES (Uses)

(comps. for treating **textiles** for decreasing damage during high-speed sewing)

RN 9016-00-6 HCAPLUS

CN Poly[oxy(dimethylsilylene)] (8CI, 9CI) (CA INDEX NAME)



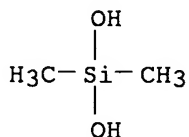
RN 31900-57-9 HCAPLUS

CN Silanediol, dimethyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 1066-42-8

CMF C2 H8 O2 Si



L20 ANSWER 23 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2000:393776 HCAPLUS

DN 133:6188

TI Detergent, softener **composition** for textiles

IN Stavarache, Romeo

PA S.C. Prod Cresus S.A., Bacau, Rom.

SO Rom., 3 pp.

CODEN: RUXXA3

DT Patent

LA Romanian

IC ICM D06M015-263

ICS C11D001-66

CC 46-5 (Surface Active Agents and **Detergents**)

Section cross-reference(s): 40

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	RO 109354	B1	19950130	RO 1994-956	19940606
PRAI	RO 1994-956		19940606		

AB The detergent for textiles comprises 5-10% emollients selected from ester amide of triethylenetetramine acetate, **polyethylene** glycol monoester, quaternized diethanolamine diester; 4-70% anionic surfactants and nonionic surfactants, soap, and balance, water. The ratio of sulfonate and/or sulfate surfactant to soap is 10:1-1.5, preferably 7:1-1.2. The content of nonionic surfactants is less than 70%, preferably 40% and the **compn.** contains builders, brightening agents, foam stabilizers and antifoaming agents, antiredeposition agents, and antisoiling agents. Thus, 20 kg linear sodium alkylbenzenesulfonate (sulfonated C12-18 fatty alcs.), 15 kg. ethoxylated nonylphenol (8-10 mol EO), 4 kg soap (animal-derived fatty acids), 2 kg silicone antifoaming agent, 10 kg tripolyphosphate, 5 kg CM-cellulose, 1 kg whitening agent, and 7 kg benzyldiethanolamine-stearate adduct were mixed to obtain a yellowish paste contg. about 30% solids and having soln. pH of 6-7.5. The paste was used in laundering of textiles, e.g. cotton, rayon, polyester, acrylic, using 3 g/L and bath temp. of 40.degree. for 20 min. The laundered **fabrics** had **softer** feel than those of a control.

ST laundry detergent softening **compn** surfactant soap; emollient esteramide ethanolamine laundry detergent surfactant; sulfonated surfactant fatty acid soap laundry detergent; ethoxylated fatty alc soap laundry detergent

- IT Fatty acids, uses
RL: NUU (Other use, unclassified); USES (Uses)
(C12-18, soaps; laundry detergent and softener **compn.** based on surfactants and soap for cellulosic fiber and synthetic fiber textiles)
- IT Brightening
(agents; laundry detergent and softener **compn.** based on surfactants and soap for cellulosic fiber and synthetic fiber textiles)
- IT Surfactants
(anionic; laundry detergent and softener **compn.** based on surfactants and soap for cellulosic fiber and synthetic fiber textiles)
- IT **Polysiloxanes**, uses
RL: NUU (Other use, unclassified); USES (Uses)
(antifoaming agents; laundry detergent and softener **compn.** based on surfactants and soap for cellulosic fiber and synthetic fiber textiles)
- IT Textiles
(cotton; laundry detergent and softener **compn.** based on surfactants and soap for cellulosic fiber and synthetic fiber textiles)
- IT Acrylic fibers, processes
Polyester fibers, processes
RL: PEP (Physical, engineering or chemical process); PROC (Process)
(**fabrics**; laundry detergent and **softener compn.** based on surfactants and soap for cellulosic fiber and synthetic fiber textiles)
- IT Alcohols, uses
RL: NUU (Other use, unclassified); USES (Uses)
(fatty, ethoxylated; laundry detergent and softener **compn.** based on surfactants and soap for cellulosic fiber and synthetic fiber textiles)
- IT Alcohols, uses
RL: NUU (Other use, unclassified); USES (Uses)
(fatty, sulfonated; laundry detergent and softener **compn.** based on surfactants and soap for cellulosic fiber and synthetic fiber textiles)
- IT Antifoaming agents
Fabric softeners
Laundering
Whitening agents
(laundry detergent and softener **compn.** based on surfactants and soap for cellulosic fiber and synthetic fiber textiles)
- IT Polyoxyalkylenes, uses
Soaps
RL: NUU (Other use, unclassified); USES (Uses)
(laundry detergent and softener **compn.** based on surfactants and soap for cellulosic fiber and synthetic fiber textiles)
- IT Rayon, processes
RL: PEP (Physical, engineering or chemical process); PROC (Process)
(laundry detergent and softener **compn.** based on surfactants and soap for cellulosic fiber and synthetic fiber textiles)
- IT Detergents
(laundry; laundry detergent and softener **compn.** based on surfactants and soap for cellulosic fiber and synthetic fiber textiles)
- IT Surfactants
(nonionic; laundry detergent and softener **compn.** based on surfactants and soap for cellulosic fiber and synthetic fiber textiles)
- IT 57-11-4, Stearic acid, uses
RL: NUU (Other use, unclassified); USES (Uses)

- (benzyldiethanolamine adducts; laundry detergent and softener **compn.** based on surfactants and soap for cellulosic fiber and synthetic fiber textiles)
- IT 64-02-8, Sodium ethylenediaminetetraacetate 98-11-3D, Benzenesulfonic acid, alkyl derivs., sodium salts, uses 7758-29-4, Sodium tripolyphosphate 9004-32-4, Carboxymethylcellulose 25322-68-3 27986-36-3, Ethylene glycol nonylphenyl ether
 RL: NUU (Other use, unclassified); USES (Uses)
 (laundry detergent and softener **compn.** based on surfactants and soap for cellulosic fiber and synthetic fiber textiles)
- IT 101-32-6, Benzyldiethanolamine
 RL: NUU (Other use, unclassified); USES (Uses)
 (stearate adducts; laundry detergent and softener **compn.** based on surfactants and soap for cellulosic fiber and synthetic fiber textiles)
- L20 ANSWER 24 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN
 AN 2000:301101 HCAPLUS
 DN 132:309679
 TI Fiber product treatment agent **compositions**
 IN Yoshida, Yasushi; Ogura, Nobuyuki
 PA Kao Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM D06M015-643
 ICS D06M013-46; D06M015-53
 CC 40-9 (**Textiles** and **Fibers**)
 FAN.CNT 1
- | | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | JP 2000129578 | A2 | 20000509 | JP 1998-299525 | 19981021 |
| PRAI | JP 1998-299525 | | 19981021 | | |
| OS | MARPAT 132:309679 | | | | |
| AB | Treatment agents contain 0.1-20% water-sol. polymers selected from sapond. poly(vinyl acetate) having mol. wt. 5000-5x105 and derivs. thereof, polystyrenesulfonic acid salts having mol. wt. 1000-6x106 and copolymers of styrenesulfonic acid salts with vinyl compds., and poly(N-vinyl-2-pyrrolidone) having mol. wt. 1000-6x106 or copolymers with vinyl compds., 0.1-20% softeners selected from quaternary ammonium compds., tertiary amine salts with (in)org. acids, and silicones, and 0.1-5% polyethylene glycol alkyl ethers. Thus, a treatment agent contained PVA 105 10, SM 8705 2, polyethylene glycol lauryl ether 2, propylene glycol 2%, and H2O. | | | | |
| ST | fiber finishing agent polyvinyl alc polyvinylpyrrolidone silicone; softener fiber quaternary ammonium compd; tertiary amine salt quaternary ammonium compd; nonionic surfactant fiber treatment agent | | | | |
| IT | Fabric finishing
(agents; fiber treatment agents contg. water-sol. polymers and softeners and nonionic surfactants) | | | | |
| IT | Fabric softeners
(fiber treatment agents contg. water-sol. polymers and softeners and nonionic surfactants) | | | | |
| IT | Acids, uses
RL: MOA (Modifier or additive use); USES (Uses)
(inorg., tertiary amine salts, softeners ; fiber treatment agents contg. water-sol. polymers and softeners and nonionic | | | | |

surfactants)

IT Surfactants
(nonionic; fiber treatment agents contg. water-sol. polymers and **softeners** and nonionic surfactants)

IT Acids, uses
RL: MOA (Modifier or additive use); USES (Uses)
(org., tertiary amine salts, **softeners**; fiber treatment agents contg. water-sol. polymers and **softeners** and nonionic surfactants)

IT Clothing
(shirts, cotton; fiber treatment agents contg. water-sol. polymers and **softeners** and nonionic surfactants)

IT Cotton
(shirts; fiber treatment agents contg. water-sol. polymers and **softeners** and nonionic surfactants)

IT Quaternary ammonium compounds, uses
RL: MOA (Modifier or additive use); USES (Uses)
(**softeners**; fiber treatment agents contg. water-sol. polymers and **softeners** and nonionic surfactants)

IT Amines, uses
RL: MOA (Modifier or additive use); USES (Uses)
(tertiary, salts, **softeners**; fiber treatment agents contg. water-sol. polymers and **softeners** and nonionic surfactants)

IT Polymers, uses
RL: POF (Polymer in formulation); TEM (Technical or engineered material use); USES (Uses)
(water-sol.; fiber treatment agents contg. water-sol. polymers and **softeners** and nonionic surfactants)

IT 9002-89-5, PVA 105
RL: POF (Polymer in formulation); TEM (Technical or engineered material use); USES (Uses)
(PVA 105; fiber treatment agents contg. water-sol. polymers and **softeners** and nonionic surfactants)

IT 9080-79-9, Sodium polystyrenesulfonate
RL: POF (Polymer in formulation); TEM (Technical or engineered material use); USES (Uses)
(Polity PS; fiber treatment agents contg. water-sol. polymers and **softeners** and nonionic surfactants)

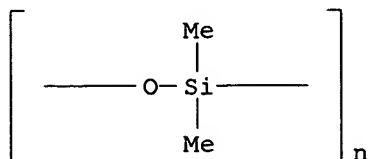
IT 9003-39-8, Poly(N-vinyl-2-pyrrolidone)
RL: POF (Polymer in formulation); TEM (Technical or engineered material use); USES (Uses)
(fiber treatment agents contg. water-sol. polymers and **softeners** and nonionic surfactants)

IT 9002-92-0, Polyethylene glycol lauryl ether
RL: TEM (Technical or engineered material use); USES (Uses)
(fiber treatment agents contg. water-sol. polymers and **softeners** and nonionic surfactants)

IT 9016-00-6, SM 8705
RL: MOA (Modifier or additive use); USES (Uses)
(**softeners**; fiber treatment agents contg. water-sol. polymers and **softeners** and nonionic surfactants)

IT 9016-00-6, SM 8705
RL: MOA (Modifier or additive use); USES (Uses)
(**softeners**; fiber treatment agents contg. water-sol. polymers and **softeners** and nonionic surfactants)

RN 9016-00-6 HCAPLUS
CN Poly[oxy(dimethylsilylene)] (8CI, 9CI) (CA INDEX NAME)



L20 ANSWER 25 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN
 AN 2000:291193 HCAPLUS
 DN 132:310036
 TI Wrinkle reduction laundry product **compositions**
 IN Murphy, Dennis Stephen; Fox, Daniel Joseph
 PA Unilever Plc, UK; Unilever Nv; Hindustan Lever Limited
 SO PCT Int. Appl., 24 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 IC ICM C11D003-37
 ICS C11D001-12; C11D001-82
 CC 46-5 (Surface Active Agents and **Detergents**)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000024857	A2	20000504	WO 1999-EP8319	19991021
	WO 2000024857	A3	20000803		
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	US 6403548	B1	20020611	US 1999-293754	19990416
	US 2001056059	A1	20011227	US 1999-393831	19990910
	US 6426328	B2	20020730		
	BR 9914836	A	20010710	BR 1999-14836	19991021
	EP 1124926	A2	20010822	EP 1999-971024	19991021
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
	US 6500793	B2	20021231	US 2002-131110	20020424
	US 2002193276	A1	20021219	US 2002-146732	20020516
	US 2003092588	A1	20030515	US 2002-287183	20021104
PRAI	US 1998-105865P	P	19981027		
	US 1999-293754	A	19990416		
	US 1999-393831	A	19990910		
	WO 1999-EP8319	W	19991021		
	US 2002-131110	A1	20020424		
AB	A liq. fabric softening formulation comprises .gtoreq.1 wrinkle-reducing agent selected from polyalkylene oxide-modified polydimethylsiloxane, linear aminopolydimethylsiloxane polyalkylene oxide copolymers, sulfated/sulfonated vegetable oils, high-mol.-wt. polyacrylamides, betaine siloxane copolymers, and alkylactam siloxane copolymers. The benefits are delivered to the laundered item during the				

cleaning step and, therefore, reduces the need for further wrinkle reducing steps when the items are taken from the dryer or after hang drying.

ST clothing **softener** wrinkle reducing agent; laundry **fabric softener** wrinkle reducing agent; polyoxyalkylene polysiloxane wrinkle reducing agent

IT Creaseproofing
(agents; **fabric softeners** contg. wrinkle-reducing agents)

IT **Polysiloxanes**, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(betaine; **fabric softeners** contg. wrinkle-reducing agents)

IT **Polysiloxanes**, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(di-Me, 3-hydroxypropyl Me, ethers, with **polyethylene glycol** mono-Me ether, Silwet L 7622; **fabric softeners** contg. wrinkle-reducing agents)

IT **Polysiloxanes**, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(ethoxylated; **fabric softeners** contg. wrinkle-reducing agents)

IT **Fabric softeners**
(**fabric softeners** contg. wrinkle-reducing agents)

IT **Detergents**
(laundry; laundry **fabric softeners** contg. wrinkle-reducing agents)

IT **Polysiloxanes**, uses
Polysiloxanes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polyoxyalkylene-, aminoalkyl-terminated; **fabric softeners** contg. wrinkle-reducing agents)

IT Polyoxyalkylenes, uses
Polyoxyalkylenes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polysiloxane-, aminoalkyl-terminated; **fabric softeners** contg. wrinkle-reducing agents)

IT Canola oil
RL: TEM (Technical or engineered material use); USES (Uses)
(sulfated, Freedom Scano 75; **fabric softeners** contg. wrinkle-reducing agents)

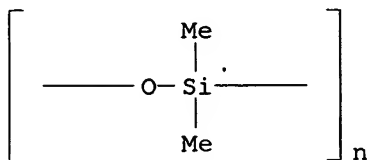
IT Castor oil
RL: TEM (Technical or engineered material use); USES (Uses)
(sulfated; **fabric softeners** contg. wrinkle-reducing agents)

IT Fats and Glyceridic oils, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(vegetable, sulfated; **fabric softeners** contg. wrinkle-reducing agents)

IT Fats and Glyceridic oils, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(vegetable, sulfonated; **fabric softeners** contg. wrinkle-reducing agents)

IT 9003-05-8, Polyacrylamide **9016-00-6D**, Polydimethylsiloxane, polyoxyalkylene-modified **31900-57-9D**, Polydimethylsiloxane, polyoxyalkylene-modified
RL: TEM (Technical or engineered material use); USES (Uses)
(**fabric softeners** contg. wrinkle-reducing agents)

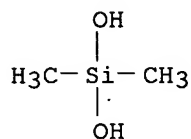
IT 9016-00-6D, Polydimethylsiloxane, polyoxyalkylene-modified
 31900-57-9D, Polydimethylsiloxane, polyoxyalkylene-modified
 RL: TEM (Technical or engineered material use); USES (Uses)
 (fabric softeners contg. wrinkle-reducing agents)
 RN 9016-00-6 HCAPLUS
 CN Poly[oxy(dimethylsilylene)] (8CI, 9CI) (CA INDEX NAME)



RN 31900-57-9 HCAPLUS
 CN Silanediol, dimethyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 1066-42-8
 CMF C2 H8 O2 Si



L20 ANSWER 26 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN
 AN 2000:250021 HCAPLUS
 DN 132:280924
 TI Liquid finishing agent **compositions** for fiber products
 IN Nikame, Shuichi; Yokoyama, Jun; Fukumoto, Yoshikatsu; Hashiyama, Emiko
 PA Lion Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM D06M015-647
 ICS D06M013-325; D06M013-463
 CC 46-5 (Surface Active Agents and **Detergents**)
 Section cross-reference(s): 40

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000110075	A2	20000418	JP 1998-283138	19981005
PRAI	JP 1998-283138		19981005		

AB Finishing agents contain polyoxyalkylene-polysiloxanes (10-50% polyoxyethylene) and C6-26 amines and neutralized compds., quaternary ammonium compds., and mixts. thereof. Thus, a finishing agent contained a polyoxyethylene silicone 2.0, di(C18-hydrocarbyl)methylamine Me chloride salt 7.5, dimethyl(C18-linear hydrocarbyl)amine Me chloride salt 0.4, di(C18-hydrocarbyl)methylamine hydrochloride 0.1%.

ST fiber **softener** polyether silicone; amine polyether silicone
fiber **softener**

IT Polyoxyalkylenes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(-silicones; liq. finishing agent compns. contg. polyoxyalkylene
silicones and amine compds. for fibers)

IT Alkylation
Creaseproofing
(agents; liq. finishing agent compns. contg. polyoxyalkylene silicones
and amine compds. for fibers)

IT **Textiles**
(cotton; liq. finishing agent compns. contg. polyoxyalkylene silicones
and amine compds. for fibers)

IT **Fabric softeners**
Quaternization
(liq. finishing agent compns. contg. polyoxyalkylene silicones and
amine compds. for fibers)

IT Amines, uses
Quaternary ammonium compounds, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(liq. finishing agent compns. contg. polyoxyalkylene silicones and
amine compds. for fibers)

IT Salts, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(org.; liq. finishing agent compns. contg. polyoxyalkylene silicones
and amine compds. for fibers)

IT **Polysiloxanes, uses**
Polysiloxanes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polyoxyalkylene-; liq. finishing agent compns. contg. polyoxyalkylene
silicones and amine compds. for fibers)

IT Polyoxyalkylenes, uses
Polyoxyalkylenes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polysiloxane-; liq. finishing agent compns. contg. polyoxyalkylene
silicones and amine compds. for fibers)

IT Amines, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(salts; liq. finishing agent compns. contg. polyoxyalkylene silicones
and amine compds. for fibers)

IT 9003-11-6D, -silicones 25322-68-3D, **Polyethylene glycol**,
-silicones **158947-24-1D**, trimethylsilyl-terminated,
polyether-derivs.
RL: TEM (Technical or engineered material use); USES (Uses)
(liq. finishing agent compns. contg. polyoxyalkylene silicones and
amine compds. for fibers)

IT **158947-24-1D**, trimethylsilyl-terminated, polyether-derivs.
RL: TEM (Technical or engineered material use); USES (Uses)
(liq. finishing agent compns. contg. polyoxyalkylene silicones and
amine compds. for fibers)

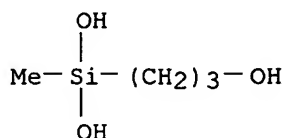
RN 158947-24-1 HCAPLUS

CN Silanediol, (3-hydroxypropyl)methyl-, polymer with dimethylsilanediol
(9CI) (CA INDEX NAME)

CM 1

CRN 18165-96-3

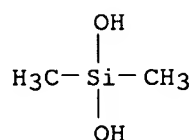
CMF C4 H12 O3 Si



CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si



L20 ANSWER 27 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN
 AN 2000:247542 HCAPLUS
 DN 132:280922
 TI Liquid finishing agent **compositions** for fiber products
 IN Nihei, Shuichi; Yokoyama, Jun; Fukumoto, Yoshikatsu; Hashiyama, Emiko
 PA Lion Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM D06M015-647
 ICS D06M013-325; D06M013-463; D06M015-53
 CC 46-5 (Surface Active Agents and **Detergents**)
 Section cross-reference(s): 40

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000110076	A2	20000418	JP 1998-283139	19981005
PRAI	JP 1998-283139		19981005		
AB	Finishing agents contain polyoxyalkylene-polysiloxanes (10-50% polyoxyethylene), C6-26 amines and neutralized compds., quaternary ammonium compds., and mixts. thereof, and nonionic surfactants such as alkylene oxide derivs. of alcs., amines, alkanol amides, fatty acids, and fatty esters. Thus, a finishing agent contained a polyoxyethylene silicone 2.0, di(C18-hydrocarbyl)methylamine Me chloride salt 7.5, dimethyl(C18-linear-hydrocarbyl)amine Me chloride salt 0.5, di(C18-hydrocarbyl)methylamine hydrochloride 0.1, and polyethylene glycol isotridecyl ether 1%.				
ST	fiber softener polyether silicone nonionic surfactant; amine polyether silicone fiber softener				
IT	Polyoxyalkylenes, uses				
RL:	TEM (Technical or engineered material use); USES (Uses) (-silicones; liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)				

- IT Alkylation
(agents; liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)
- IT Fatty acids, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(alkoxylates; liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)
- IT Alcohols, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(amino, alkoxylated; liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)
- IT **Textiles**
(cotton; liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)
- IT Fatty acids, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(esters, alkoxylates; liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)
- IT Alcohols, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(ethoxylated; liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)
- IT Esters, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(fatty, alkoxylates; liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)
- IT **Fabric softeners**
Quaternization
(liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)
- IT Amines, uses
Quaternary ammonium compounds, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)
- IT Salts, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(org.; liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)
- IT **Polysiloxanes, uses**
Polysiloxanes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polyoxyalkylene-; liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)
- IT Polyoxyalkylenes, uses
Polyoxyalkylenes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polysiloxane-; liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)
- IT Amines, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(salts; liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)
- IT Alcohols, uses
RL: TEM (Technical or engineered material use); USES (Uses)

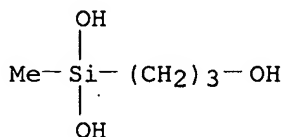
(tallow, ethoxylated; liq. finishing agent compns. contg.
polyoxyalkylene silicones and amine compds. and nonionic surfactants
for fibers)

IT 75-21-8D, Ethylene oxide, reaction products with beef tallow alcs.
9003-11-6D, -silicones 9043-30-5, **Polyethylene glycol**
isotridecyl ether 25322-68-3D, **Polyethylene glycol**, -silicones
158947-24-1D, trimethylsilyl-terminated, polyether derivs.
RL: TEM (Technical or engineered material use); USES (Uses)
(liq. finishing agent compns. contg. polyoxyalkylene silicones and
amine compds. and nonionic surfactants for fibers)
IT **158947-24-1D**, trimethylsilyl-terminated, polyether derivs.
RL: TEM (Technical or engineered material use); USES (Uses)
(liq. finishing agent compns. contg. polyoxyalkylene silicones and
amine compds. and nonionic surfactants for fibers)
RN 158947-24-1 HCAPLUS
CN Silanediol, (3-hydroxypropyl)methyl-, polymer with dimethylsilanediol
(9CI) (CA INDEX NAME)

CM 1

CRN 18165-96-3

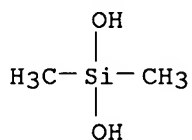
CMF C4 H12 O3 Si



CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si



L20 ANSWER 28 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2000:139615 HCAPLUS

DN 132:196142

TI Liquid **fabric softener composition** with good
storage stability

IN Ushio, Noriaki; Shirato, Kazutaka; Tagata, Shuji; Ogura, Nobuyuki

PA Kao Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM D06M013-463

ICS D06M015-53; D06M015-643

CC 46-5 (Surface Active Agents and **Detergents**)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000064179	A2	20000229	JP 1998-231591	19980818
PRAI	JP 1998-231591		19980818		

AB Title softening agent contains (A) quaternary ammonium compd. or (in)org. acid tertiary amine salt contg. .gtoreq.1 ester group 0.1-20, (B) silicone compd. represented by $R_1[SiO(R_2)(X)]_a[SiO(R_2)_2]_bR_1$ [R_2 : C1-3 alkyl; X: side group contg. .gtoreq.1 amino or hydroxyl; R_1 : same as R_2 or X; a: 1-1,000; b: 10-10,000; wt. av. mol. wt.: 5,000-2000,000] 0.01-5, and (C) poly(ethylene glycol) alkyl or alkenyl ethers (mol. wt. ratio between alkyl or alkenyl and av. ethyleneoxyl = 10-250, total av. mol. wt. = 1,000-40,000) 0.001-5 wt%. Thus, a softening agent contg. N-(2-hydroxyethyl)-N-methyl-1,3-propylenediamine-hardened beef tallow fatty acid reaction product 5, HCl 0.3, amino-modified silicone TSF-4705 1, Vissafe CT 0.05, **polyethylene** glycol lauryl ether 1 part, and other additives was stored at 40.degree./80% for 3 mo, showing sepn. vol. .ltoreq.0.5 mL and hydrolysis 5%.

ST quaternary ammonium tertiary amine silicone polyoxyalkylene softener stability

IT Polyoxyalkylenes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(C12-14 ethers; prepn. of liq. softening agent **compn.** with good storage stability)

IT Fatty acids, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(C16-18, hardened beef tallow; prepn. of liq. softening agent **compn.** with good storage stability)

IT **Polysiloxanes**, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(amino-contg., TSF 4704, reaction products with gluconolactone; prepn. of liq. softening agent **compn.** with good storage stability)

IT **Polysiloxanes**, uses
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(amino-contg., methoxy- and methyl-terminated, TSF 4703, reaction products with polyamine; prepn. of liq. softening agent **compn.** with good storage stability)

IT Fatty acids, uses
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(esters; prepn. of liq. softening agent **compn.** with good storage stability)

IT Alcohols, uses
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(fatty, esters; prepn. of liq. softening agent **compn.** with good storage stability)

IT Amides, uses
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(fatty; prepn. of liq. softening agent **compn.** with good storage stability)

IT **Fabric softeners**
Surfactants
(prepn. of liq. softening agent **compn.** with good storage

- stability)
- IT **Polysiloxanes**, uses
Quaternary ammonium compounds, uses
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(prepn. of liq. softening agent **compn.** with good storage stability)
- IT Polyamines
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(reaction products; prepn. of liq. softening agent **compn.** with good storage stability)
- IT Amines, uses
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(tertiary, salts; prepn. of liq. softening agent **compn.** with good storage stability)
- IT 74-87-3DP, Methyl chloride, reaction products with fatty acid esters or **fatty acid amides** 105-59-9DP, N-Methyldiethanolamine, esters with fatty acids, reaction products with Me chloride 1198-69-2DP, D-Gluconolactone, reaction product with amino polysiloxane 25805-17-8DP, 2-Ethyl-2-oxazoline homopolymer, reaction product with amino polysiloxane 41999-70-6DP, N-(2-Hydroxyethyl)-N-methyl-1,3-propylenediamine, reaction products with fatty acids 69488-61-5DP, 2-Ethyl-2-oxazoline homopolymer, sru, reaction product with amino polysiloxane
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(prepn. of liq. softening agent **compn.** with good storage stability)
- IT 9002-92-0, **Polyethylene** glycol lauryl ether 9004-95-9, Emulgen 2200 9004-99-3, Emanon 3170 25322-68-3D, Poly(ethylene glycol), C12-14 ethers 208266-21-1, Vissafe CT
RL: TEM (Technical or engineered material use); USES (Uses)
(prepn. of liq. softening agent **compn.** with good storage stability)

L20 ANSWER 29 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2000:139613 HCAPLUS

DN 132:182000

TI Liquid **softener composition** for fabric products with good storability

IN Ushio, Noriaki; Shirato, Kazutaka; Tagata, Shuji; Ogura, Nobuyuki

PA Kao Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM D06M013-463

ICS D06M015-643

CC 46-5 (Surface Active Agents and **Detergents**)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000064178	A2	20000229	JP 1998-231590	19980818
	JP 3313073	B2	20020812		
PRAI	JP 1998-231590		19980818		
AB	Title softener compn. contains (A) softening agent				

selected from tertiary amine compd. having 1 or 2 long-chain groups contg. C11-36 linear or branched alkyl or alkenyl group and ester, acidic amide, or ether structure, its inorg. acid salt, or C1-6 org. acid salt 3-30, and (B) crosslinkable organopolysiloxane 0.1-10 wt%. Thus, a softening agent was prepd. from N-(2-hydroxyethyl)-N-methyl-1,3-propylenediamine-hardened beef tallow fatty acid reaction product 5.0, HCl 0.3, emulsive silicone 2.0, **polyethylene** glycol lauryl ether 1.5 parts, and other additives, showing good softness and storage stability.

- ST tertiary amine compd silicone **softener fabric**
- IT Polyoxyalkylenes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(C12-14 ethers; prepn. of liq. **softener compn.** for **fabric** products with good storability)
- IT Fatty acids, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(C16-18, hardened beef tallow; prepn. of liq. **softener compn.** for **fabric** products with good storability)
- IT Fatty acids, uses
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(esters; prepn. of liq. **softener compn.** for **fabric** products with good storability)
- IT Alcohols, uses
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(fatty, esters; prepn. of liq. **softener compn.** for **fabric** products with good storability)
- IT Amides, uses
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(fatty; prepn. of liq. **softener compn.** for **fabric** products with good storability)
- IT **Fabric softeners**
(prepn. of liq. **softener compn.** for **fabric** products with good storability)
- IT Polyester fibers, miscellaneous
RL: MSC (Miscellaneous)
(prepn. of liq. **softener compn.** for **fabric** products with good storability)
- IT **Polysiloxanes**, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(prepn. of liq. **softener compn.** for **fabric** products with good storability)
- IT Amines, uses
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(tertiary, salts; prepn. of liq. **softener compn.** for **fabric** products with good storability)
- IT **Textiles**
(wool; prepn. of liq. **softener compn.** for **fabric** products with good storability)
- IT 1185-55-3DP, Methyltrimethoxysilane, polymers with **polysiloxanes** 18395-30-7DP, Isobutyltrimethoxysilane, polymers with **polysiloxanes** 31692-79-2DP, Polydimethylsiloxane, hydroxy-terminated, polymers with **polysiloxanes** 31900-57-9DP, Dimethylsilanediol homopolymer, aminoalkoxy-terminated, polymers with **polysiloxanes** 183787-08-8DP, polymers with **polysiloxanes** 259682-38-7DP,

trimethylsilyl-terminated, polymers with **polysiloxanes**

RL: IMF (Industrial manufacture); POF (Polymer in formulation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(prepn. of liq. **softener compn.** for **fabric**
products with good storability)

IT 74-87-3DP, Methyl chloride, reaction products with fatty acid esters or **fatty acid amides** 75-50-3DP, Trimethylamine, reaction products with fatty acid esters 79-11-8DP, Chloroacetic acid, esters with fatty alc., reaction products with trimethylamine 102-71-6DP, Triethanolamine, esters with fatty acids, reaction products with Me chloride 105-59-9DP, N-Methyldiethanolamine, esters with fatty acids, reaction products with Me chloride 623-57-4DP, esters with fatty acids, reaction products with Me chloride 41999-70-6DP, N-(2-Hydroxyethyl)-N-methyl-1,3-propylenediamine, reaction products with fatty acids

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(prepn. of liq. **softener compn.** for **fabric**
products with good storability)

IT 9002-92-0, Emulgen 106 9014-90-8, Emal NC 35 25322-68-3D, Poly(ethylene glycol), C12-14 ethers

RL: TEM (Technical or engineered material use); USES (Uses)

(prepn. of liq. **softener compn.** for **fabric**
products with good storability)

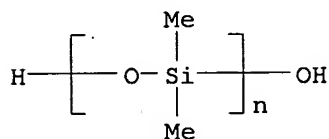
IT 31692-79-2DP, Polydimethylsiloxane, hydroxy-terminated, polymers with **polysiloxanes** 31900-57-9DP, Dimethylsilanediol homopolymer, aminoalkoxy-terminated, polymers with **polysiloxanes** 183787-08-8DP, polymers with **polysiloxanes** 259682-38-7DP, trimethylsilyl-terminated, polymers with **polysiloxanes**

RL: IMF (Industrial manufacture); POF (Polymer in formulation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(prepn. of liq. **softener compn.** for **fabric**
products with good storability)

RN 31692-79-2 HCAPLUS

CN Poly[oxy(dimethylsilylene)], .alpha.-hydro-.omega.-hydroxy- (8CI, 9CI)
(CA INDEX NAME)



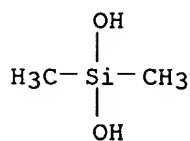
RN 31900-57-9 HCAPLUS

CN Silanediol, dimethyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

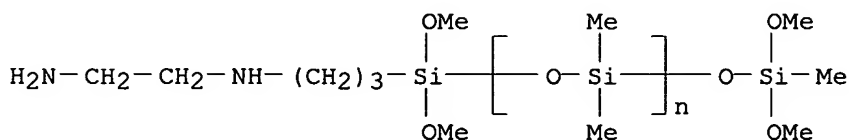
CRN 1066-42-8

CMF C2 H8 O2 Si



RN 183787-08-8 HCAPLUS

CN Poly[oxy(dimethylsilylene)], .alpha.-[[3-[(2-aminoethyl)amino]propyl]dimethoxysilyl]-.omega.-[(dimethoxymethylsilyl)oxy]- (9CI) (CA INDEX NAME)



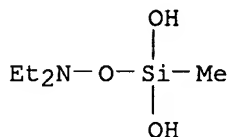
RN 259682-38-7 HCAPLUS

CN Silanediol, [(diethylamino)oxy]methyl-, polymer with dimethylsilanediol (9CI) (CA INDEX NAME)

CM 1

CRN 164652-72-6

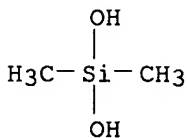
CMF C5 H15 N O3 Si



CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si



L20 ANSWER 30 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 1999:208880 HCAPLUS

DN 130:313504

TI **Fabric softening** and antistatic agents containing
N-alkanolalkylenepolyamine ester amide compounds

IN Inoue, Kimi

PA Kao Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 12 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM D06M013-46
 CC 46-5 (Surface Active Agents and **Detergents**)
 Section cross-reference(s): 40

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 11081134	A2	19990326	JP 1997-235229	19970829
	JP 3346235	B2	20021118		
PRAI	JP 1997-235229		19970829		

OS MARPAT 130:313504

AB The agents comprise (A) $R_1N(C_mH_{2m}OCOR_2)(C_nH_{2n}NHCOR_3)$ ($R_1 = C_{1-4}$ alkyl, hydroxyalkyl; $R_2, R_3 = C_{11-21}$ alkyl or alkenyl; $m = 1-10$; $n = 2-3$), their neutralized products or quaternary ammonium compds.; (B) C_{12-22} linear or branched (un)satd. carboxylic acids; (C) C_{2-6} glycols, C_{3-6} aliph. alcs., C_{8-18} arom. esters or/and C_{10-15} terpenoid compds.; and (D) perfume. Thus, an antistatic and softening agent was obtained from a mixt. of N-methyl-N-(hydrogenated tallow fatty acid esterified hydroxyethyl)-N-(hydrogenated tallow fatty acid amidated aminopropyl)amine.cntdot.HCl salt 5, hydrogenated tallow fatty acid 1, a 50:25:10:15 mixt. of di-Et phthalate, benzyl salicylate, benzyl acetate and citronellyl acetate, 0.1, and a perfume 0.03%.

ST **fabric** antistatic **softening** agent quaternary ammonium compd; fatty acid antistatic **softening fabric**; perfume antistatic **softening fabric**; hydrogenated tallow **fatty acid alkanolamide softening fabric**

IT Alcohols, uses

RL: TEM (Technical or engineered material use); USES (Uses)
 (aliph.; **fabric softening** and antistatic agents from ammonium compds.)

IT Esters, uses

RL: TEM (Technical or engineered material use); USES (Uses)
 (arom.; **fabric softening** and antistatic agents from ammonium compds.)

IT Quaternary ammonium compounds, uses

Terpenes, uses

RL: TEM (Technical or engineered material use); USES (Uses)
 (**fabric softening** and antistatic agents contg. N-alkanolalkylenepolyamine ester amide compds.)

IT Antistatic agents

Fabric softeners

Perfumes

(**fabric softening** and antistatic agents from ammonium compds.)

IT **Polysiloxanes**, uses

RL: MOA (Modifier or additive use); USES (Uses)
 (**fabric softening** and antistatic agents from ammonium compds.)

IT Carboxylic acids, uses

RL: TEM (Technical or engineered material use); USES (Uses)
 (**fabric softening** and antistatic agents from ammonium compds.)

IT Essential oils

- RL: TEM (Technical or engineered material use); USES (Uses)
(lavender, perfume; **fabric softening** and antistatic agents from ammonium compds.)
- IT Lavender (Lavandula hybrida)
(oils, perfume; **fabric softening** and antistatic agents from ammonium compds.)
- IT Essential oils
RL: TEM (Technical or engineered material use); USES (Uses)
(orange, sweet, perfume **compn.**; **fabric softening** and antistatic agents contg. N-alkanolalkylenepolyamine ester amide compds.)
- IT Fatty acids, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(palm-oil, esters, compds. with N-alkyl-N-ethanol-1,3-propylenediamine, salts or quaternary compds.; **fabric softening** and antistatic agents contg. N-alkanolalkylenepolyamine ester amide compds.)
- IT Fatty acids, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(palm-oil; **fabric softening** and antistatic agents contg. N-alkanolalkylenepolyamine ester amide compds.)
- IT Essential oils
RL: TEM (Technical or engineered material use); USES (Uses)
(perfume **compn.**; **fabric softening** and antistatic agents contg. N-alkanolalkylenepolyamine ester amide compds.)
- IT Palm oil
RL: TEM (Technical or engineered material use); USES (Uses)
(stearins, compds. with N-alkyl-N-ethanol-1,3-propylenediamine, salts or quaternary compds.; **fabric softening** and antistatic agents contg. N-alkanolalkylenepolyamine ester amide compds.)
- IT Fatty acids, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(tallow, hydrogenated, esters, compds. with N-alkyl-N-ethanol-1,3-propylenediamine, salts or quaternary compds.; **fabric softening** and antistatic agents contg. N-alkanolalkylenepolyamine ester amide compds.)
- IT Fatty acids, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(tallow, hydrogenated; **fabric softening** and antistatic agents contg. N-alkanolalkylenepolyamine ester amide compds.)
- IT Fatty acids, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(tallow; **fabric softening** and antistatic agents contg. N-alkanolalkylenepolyamine ester amide compds.)
- IT 41999-70-6D, compds. with fatty acids, salts or quaternary compds.
151955-40-7 161444-02-6 171064-63-4 171064-64-5 175716-84-4
RL: TEM (Technical or engineered material use); USES (Uses)
(**fabric softening** and antistatic agents contg. N-alkanolalkylenepolyamine ester amide compds.)
- IT 112-85-6, Docosanoic acid 506-30-9, Eicosanoic acid 544-63-8, Tetradecanoic acid, uses 73756-39-5
RL: TEM (Technical or engineered material use); USES (Uses)
(**fabric softening** and antistatic agents from ammonium compds.)
- IT 67-56-1, Carbinol, uses 77-83-8, Aldehyde C16 78-69-3 78-70-6,

Linalool 79-77-6, .beta.-Ionone 80-54-6, Lilial 81-14-1, Musk ketone 93-04-9, Yara yara 97-53-0, Eugenol 101-86-0, Hexyl cinnamic aldehyde 103-95-7, Cyclamen aldehyde 104-61-0, Aldehyde C18 106-02-5, Pentalide 106-22-9, Citronellol 106-24-1 110-41-8, Methylnonylacetaldehyde 120-57-0, Heliotropin 121-32-4, Ethylvanillin 121-33-5, Vanillin 123-11-5, Anisaldehyde, uses 125-12-2, Isobornyl acetate 127-48-0, Edion 128-51-8, Nopyl acetate 151-05-3, Dimethylbenzylcarbinyl acetate 470-82-6, Eucalyptol 1205-17-0, Helional 1506-02-1, Tentarome 2050-08-0, Amyl salicylate 5471-51-2, Raspberry ketone 6864-62-6, Phenyl acetoacetate 8000-41-7, Terpeneol 16409-43-1, Rose oxide 23726-91-2, .beta.-Damascone 30385-25-2, Dihydromyrcenol 32210-23-4, p-tert-Butylcyclohexyl acetate 32388-55-9, Acetylcedrene 41199-19-3, Ambrinol 54830-99-8 55066-48-3, Phenoxanol 63429-28-7, .beta.-Methylionone 68140-53-4, Fruitate 68912-13-0 80111-68-8, Damascone 80449-98-5, Liral 139504-68-0, Amber core 145334-39-0 176201-25-5, Aldehyde C14 Peach 176201-49-3, Poarenet 177771-82-3, Ambroxan 223447-73-2, Tetrahydromugol

RL: TEM (Technical or engineered material use); USES (Uses)

(perfume **compn.**; **fabric softening** and
antistatic agents contg. N-alkanolalkylenepolyamine ester amide
compsd.)

IT 60-12-8, Phenylethyl alcohol 77-54-3, Cedryl acetate 80-26-2
91-64-5, Coumarin 93-08-3, Methyl .beta.-naphthyl ketone 101-84-8,
Diphenyl oxide 104-55-2, Cinnamic aldehyde 122-78-1, Phenyl
acetaldehyde 143-07-7, Dodecanoic acid, uses 497-62-1 1222-05-5,
Pearlide 21677-96-3, Geranyl nitrile 43052-87-5, .alpha.-Damascone
51566-62-2, Citronellyl nitrile 68039-49-6, Tripral 124899-75-8
188647-24-7

RL: TEM (Technical or engineered material use); USES (Uses)

(perfume **compn.**; **fabric softening** and
antistatic agents from ammonium compds.)

IT 57-11-4, Octadecanoic acid, uses 57-55-6, 1,2-Propanediol, uses
67-63-0, Isopropyl alcohol, uses 84-66-2, Diethyl phthalate 93-92-5,
Styrallyl acetate 103-45-7 103-54-8, Cinnamyl acetate 105-85-1,
Citronellyl formate 105-87-3, Geranyl acetate 107-21-1,
1,2-Ethanediol, uses 112-80-1, Oleic acid, uses 115-95-7, Linalyl
acetate 118-58-1, Benzyl salicylate 119-36-8, Methyl salicylate
122-69-0, Cinnamyl cinnamate 134-20-3, Methyl anthranilate 140-11-4,
Benzyl acetate 150-84-5, Citronellyl acetate 326-61-4, Heliotropyl
acetate 928-96-1, cis-3-Hexenol 6259-76-3, Hexyl salicylate
25265-71-8, Dipropylene glycol 56539-66-3, 3-Methoxy-3-methylbutanol
65405-77-8, cis-3-Hexenyl salicylate

RL: TEM (Technical or engineered material use); USES (Uses)

(perfume retention aids; **fabric softening** and
antistatic agents contg. N-alkanolalkylenepolyamine ester amide
compsd.)

IT 57-10-3, Palmitic acid, uses

RL: TEM (Technical or engineered material use); USES (Uses)

(perfume retention aids; **fabric softening** and
antistatic agents from ammonium compds.)

L20 ANSWER 31 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN
AN 1998:106073 HCAPLUS
DN 128:129138
TI Fabric easy care treatment **composition**
IN Mooney, William
PA Unilever PLC, UK; Unilever N.V.; Mooney, William
SO PCT Int. Appl., 30 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM D06M013-192

CC 40-9 (Textiles and Fibers)

Section cross-reference(s): 46

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9804772	A1	19980205	WO 1997-EP3713	19970708
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	CA 2261075	AA	19980205	CA 1997-2261075	19970708
	AU 9736229	A1	19980220	AU 1997-36229	19970708
	EP 914514	A1	19990512	EP 1997-932817	19970708
	R: BE, DE, ES, FR, GB, IT				
	BR 9710531	A	19990817	BR 1997-10531	19970708
	US 5965517	A	19991012	US 1997-890431	19970709
	ZA 9706475	A	19990122	ZA 1997-6475	19970722
PRAI	GB 1996-15613	A	19960725		
	WO 1997-EP3713	W	19970708		
AB	Creaseproofing compns. and processes involve treating fabric by (i) applying a compn. comprising a polycarboxylic acid or deriv.; and (ii) curing the compn. using a domestic process (e.g. ironing), addn. in combination with a rinse (softener) conditioner. A treatment compn. contained 1,2,3,4-butanetetracarboxylic acid 1.0, NaH2PO2 0.4, cationic softener 0.5, alc. ethoxylate 0.01, polyethylene emulsion 0.05% and the balance water.				
ST	wrinkle resistance fabric treatment compn. ; creaseproofing compn. fabric treatment; color fastness fabric treatment; polycarboxylic acid creaseproofing compn.				
IT	Polysiloxanes , uses				
	RL: MOA (Modifier or additive use); PRP (Properties); USES (Uses) (aminoalkyl di-Me, hydroxy-terminated, lubricant synergist; treatment compn. contg. polycarboxylic acid for creaseproofing textiles and fabrics)				
IT	Textiles				
	(cotton; treatment compn. contg. polycarboxylic acid for creaseproofing textiles and fabrics)				
IT	Quaternary ammonium compounds, uses				
	RL: MOA (Modifier or additive use); USES (Uses) (tetraalkyl; treatment compn. contg. polycarboxylic acid for creaseproofing textiles and fabrics)				
IT	Creaseproofing				
	Fabric softeners				
	(treatment compn. contg. polycarboxylic acid for creaseproofing textiles and fabrics)				
IT	9002-88-4, Polyethylene				
	RL: MOA (Modifier or additive use); PRP (Properties); USES (Uses) (lubricant synergist; treatment compn. contg. polycarboxylic acid for creaseproofing textiles and fabrics)				
IT	1703-58-8, 1,2,3,4-Butanetetracarboxylic acid				

RL: MOA (Modifier or additive use); PRP (Properties); USES (Uses)
(treatment **compn.** contg. polycarboxylic acid for
creaseproofing textiles and fabrics)

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE

- (1) Hyung-Min, C; J Appl Polym Sci 1994, V54(13), P2107 HCAPLUS
- (2) Kitchens, J; US 5042986 A 1991 HCAPLUS
- (3) Lord, J; US 3656246 A 1972 HCAPLUS
- (4) Welch, C; US 4820307 A 1989 HCAPLUS
- (5) Welch, C; Textile Research Journal P480
- (6) Yiqi, Y; US 5296269 A 1994

L20 ANSWER 32 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 1995:746132 HCAPLUS

DN 123:172559

TI High-performance oil- and water-repellent **compositions**, its use
and substrates treated by

IN Coppens, Dirk M.; Allewaert, Kathy Emilie Augusta

PA Minnesota Mining and Mfg. Co., USA

SO Eur. Pat. Appl., 13 pp.

CODEN: EPXXDW

DT Patent

LA English

IC ICM D06M015-643

ICS D06M015-263; D06M015-277; D06M015-576; D06M015-657; C08L083-06;
C08K005-02; C08F283-12

CC 40-9 (**Textiles** and Fibers)

Section cross-reference(s): 43, 45, 58

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 648890	A1	19950419	EP 1993-116871	19931019
	EP 648890	B1	19961211		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	CA 2133173	AA	19950420	CA 1994-2133173	19940928
	JP 07216347	A2	19950815	JP 1994-245058	19941011
	US 5536304	A	19960716	US 1994-323381	19941014
PRAI	EP 1993-116871		19931019		

AB Title **compn.** comprises a fluoroaliph. radical-contg. agent and a
cyclic carboxylic anhydride-contg. polysiloxane. Addnl., the
compn. may comprise an extender and/or a plasticizer. The
compn. provides water- and oil repellent properties and a soft
hand to fibrous and other substrates using a simple 1-step treatment. A
blend of a succinic anhydride-terminated di-Me siloxane and a
poly(fluoroalkyl methacrylate) was applied to cotton by solvent padding
and dried to give a **fabric** with oil repellency rating 2, spray
rating 90, and hand 4 (higher value correlates with softer feel), compared
to 0, 50, and 2, resp., when di-Me siloxane was incorporated instead of
the succinic anhydride-terminated di-Me siloxane.

ST water oil repellent **softener** siloxane anhydride; fluoroaliph
water oil repellent **softener**; cyclic anhydride siloxane

fabric softener

IT Softening agents

(cyclic carboxylic anhydride-contg. polysiloxanes in fluoroaliph.
group-contg. oil- and water-repellent **compsn.**)

IT Polycarbodiimides

RL: TEM (Technical or engineered material use); USES (Uses)

(extender; in high-performance oil- and water-repellent **compsn.**)

IT Concrete
Leather
Paper
Wood
(oil- and water-repellent and softening compns. for)

IT Glass, oxide
Metals, miscellaneous
Plastics
Stone
RL: MSC (Miscellaneous)
(oil- and water-repellent and softening compns. for)

IT Oilproofing
Waterproofing
(softening; of substrates with a **compn.** contg. fluoroaliph.
radical-contg. agent and a cyclic carboxylic anhydride-contg.
polysiloxane)

IT **Urethane** polymers, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(acrylates, in high-performance oil- and water-repellent compns.)

IT Siloxanes and Silicones, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(di-Me, (alkyltetrahydrodioxofuranyl)propyl group-terminated, SLM
50240/1, SLM 50240/2, SLM 50240/3 and SLM 50240/4; in high-performance
oil- and water-repellent compns.)

IT **Urethane** polymers, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(fluorine-contg., in high-performance oil- and water-repellent compns.)

IT Fluoropolymers
RL: TEM (Technical or engineered material use); USES (Uses)
(**polyurethane-**, in high-performance oil- and water-repellent
compns.)

IT 1071-76-7, Butyl zirconate 64265-57-2, CX 100 133687-21-5, Ucar LNK-XL
27HS 148618-26-2, Accosize 18
RL: TEM (Technical or engineered material use); USES (Uses)
(extender; in high-performance oil- and water-repellent compns.)

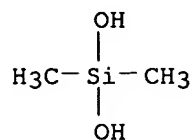
IT **31900-57-9D**, Dimethylsilanediol homopolymer, 3-(2,5-dioxodihydro-3-
furyl)propyl-terminated 150428-65-2, FX-3530 **161205-23-8**
167290-69-9, FX 3532 167290-70-2, FX 3534 167290-71-3, FX 3539
RL: TEM (Technical or engineered material use); USES (Uses)
(in high-performance oil- and water-repellent compns.)

IT **31900-57-9D**, Dimethylsilanediol homopolymer, 3-(2,5-dioxodihydro-3-
furyl)propyl-terminated **161205-23-8**
RL: TEM (Technical or engineered material use); USES (Uses)
(in high-performance oil- and water-repellent compns.)

RN 31900-57-9 HCAPLUS
CN Silanediol, dimethyl-, homopolymer (9CI) (CA INDEX NAME)

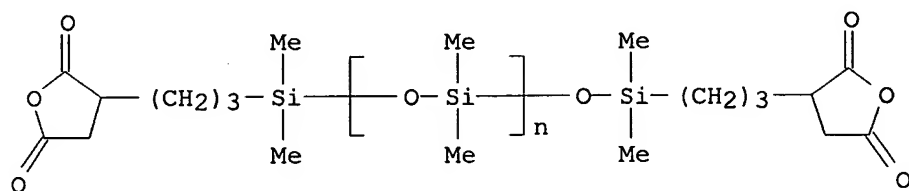
CM 1

CRN 1066-42-8
CMF C2 H8 O2 Si



RN 161205-23-8 HCAPLUS

CN Poly[oxy(dimethylsilylene)], .alpha.-[dimethyl[3-(tetrahydro-2,5-dioxo-3-furanyl)propyl]silyl]-.omega.-[[dimethyl[3-(tetrahydro-2,5-dioxo-3-furanyl)propyl]silyl]oxy]- (9CI) (CA INDEX NAME)



L20 ANSWER 33 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 1992:492676 HCAPLUS

DN 117:92676

TI Fabric treatment **composition** containing a softening agent for use in detergents

IN Marteleur, Christian August Antoine; Convents, Andre Christian

PA Procter and Gamble Co., USA

SO Eur. Pat. Appl., 19 pp.

CODEN: EPXXDW

DT Patent

LA English

IC ICM C11D003-12

ICS C11D003-37

CC 46-5 (Surface Active Agents and **Detergents**)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 483411	A1	19920506	EP 1990-202868	19901029
	EP 483411	B1	19950607		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	CA 2095244	AA	19920430	CA 1991-2095244	19911025
	WO 9207927	A1	19920514	WO 1991-US7919	19911025
	W: CA, FI, JP, US				

PRAI EP 1990-202868 19901029

AB A **fabric softening** clay, a clay flocculating agent, and a substituted siloxane such as polyoxyalkylene-siloxane are used in laundry detergent compns. to give good **softening** of **fabrics** during laundering. A smectite clay, acrylic acid-maleic acid copolymer, and a polyoxyethylene-siloxane were used in a granular detergent **compn.**

ST clay **fabric softener** detergent; polyoxyalkylene siloxane **fabric softener**; flocculant clay **softener fabric**; polycarboxylate flocculant **softener fabric**; acrylic polymer **softener**

fabric; maleic polymer softener fabric;
carboxy polymer softener fabric; laundry detergent
fabric softener

- IT Softening agents
 (clay-siloxanes, for fabrics, detergents contg.)
- IT Flocculating agents
 (polymers, for **fabric-softening** clays in
 detergents)
- IT Clays, uses
Siloxanes and Silicones, uses
 RL: USES (Uses)
 (softening agents, for **fabrics**, detergents contg.)
- IT Polyoxyalkylenes, uses
 RL: USES (Uses)
 (di-Me, Me hydrogen siloxane-, **softening** agents, for
fabrics, detergents contg.)
- IT **Siloxanes and Silicones, uses**
 RL: USES (Uses)
 (di-Me, Me hydrogen, polyoxyalkylene-, **softening** agents, for
fabrics, detergents contg.)
- IT Detergents
 (laundry, contg. **fabric-softening** clays and
 flocculating agents)
- IT 25322-68-3D, **Polyethylene** glycol, siloxane derivs.
 RL: USES (Uses)
 (**fabric softeners**, detergents contg.)
- IT 79-10-7D, Acrylic acid, polymers 9003-05-8, Polyacrylamide 25322-68-3,
Polyethylene glycol 29132-58-9, Acrylic acid-maleic acid
 copolymer
 RL: USES (Uses)
 (flocculating agents, for **fabric-softening** clays in
 detergents)
- IT 12173-47-6, Hectorite
 RL: USES (Uses)
 (**softening** agents, for **fabrics**, detergents contg.)
- IT 1318-93-0, Montmorillonite, miscellaneous
 RL: MSC (Miscellaneous)
 (**softening** agents, for **fabrics**, detergents contg.)

L20 ANSWER 34 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 1992:429251 HCAPLUS

DN 117:29251

TI Liquid **fabric softeners** containing amine salts

IN Yamamura, Masaaki; Inokoshi, Junichi; Shimizu, Kazuo; Shirato, Kazutaka

PA Kao K. K., Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM D06M013-46

ICS D06M015-647

CC 46-5 (Surface Active Agents and **Detergents**)

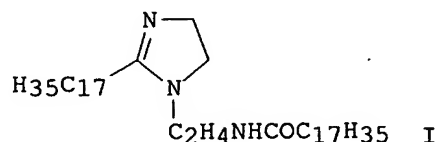
Section cross-reference(s): 40

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 04050374	A2	19920219	JP 1990-156248	19900613
PRAI	JP 1990-156248		19900613		

OS MARPAT 117:29251

GI



- AB Title softeners contain (A) (in)org. acid-neutralized dehydration-cyclization condensates of diethylenetriamine and C12-22 (un)satd. fatty acids and (B) (in)org. acid-neutralized R1CO2CmH2mN(CmH2mOY)CmH2mOX [X, Y = H, R2CO; R1-2 = C11-23 linear or branched (un)satd. hydrocarbon; m = 2, 3] and/or (in)org. acid-neutralized partially amidated compds. of condensates of polyalkylene-polyamines contg. 4-6 N or **polyethylene**-imines with C12-24 fatty acids. Thus, a **compn.** contg. 15% of a 85:15 mixt. of a HCl-neutralized amidoamine I and HCl-neutralized triethanolamine stearic acid adduct (1:2) and 1% (based on the mixt.) poly(oxyethylene)-modified dimethylpolysiloxane imparted good softness and compressive elasticity to cotton and acrylic textiles.
- ST ethylenetriamine fatty ester salt softener; alkoxyamine fatty ester salt softener; polyamine fatty ester salt softener; **softener** amine salt **fabric**
- IT Softening agents
(fatty amine salts, for fabrics)
- IT **Siloxanes** and **Silicones**, uses
RL: USES (Uses)
(di-Me, **fabric softeners** contg. amine salts and)
- IT Polyoxyalkylenes, uses
RL: USES (Uses)
(di-Me siloxane-, **fabric softeners** contg. amine salts and)
- IT **Siloxanes** and **Silicones**, uses
RL: USES (Uses)
(di-Me, polyoxyalkylene-, **fabric softeners** contg. amine salts and)
- IT Amides, uses
RL: USES (Uses)
(fatty, amino, **fabric softeners** contg.)
- IT 57-11-4D, Octadecanoic acid, reaction products with tetraethylpentamine, hydrochloride 102-71-6D, esters with fatty acids, salts with acids 112-57-2D, reaction products with stearic acid, hydrochloride 58536-81-5 142234-56-8 142281-90-1
RL: USES (Uses)
(**fabric softeners** contg.)
- L20 ANSWER 35 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN
- AN 1991:84354 HCAPLUS
- DN 114:84354
- TI Antistatic and soil release-promoting **compositions** for use with laundry detergents
- IN Beagle, Charles A.; Adams, Richard P.; Wixon, Harold E.
- PA Colgate-Palmolive Co., USA
- SO Eur. Pat. Appl., 23 pp.

CODEN: EPXXDW

DT Patent

LA English

IC ICM C11D003-37

ICS C11D001-62

CC 46-5 (Surface Active Agents and Detergents)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 396457	A2	19901107	EP 1990-401146	19900426
	EP 396457	A3	19910703		
	R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE				
	AU 9054506	A1	19901108	AU 1990-54506	19900427
	AU 628166	B2	19920910		
	CA 2015849	AA	19901102	CA 1990-2015849	19900501
	US 5545342	A	19960813	US 1994-361028	19941221
PRAI	US 1989-346053		19890502		
	US 1991-644728		19910123		
	US 1991-792314		19911114		
	US 1993-83416		19930628		

OS MARPAT 114:84354

AB The title compns. contain a cationic **fabric softener**, and antistatic silicone $ZO(SiR2R3O)_x(SiHR4O)_p(SiR5ZlO)_yZ2$ [$R2, R3 = \text{alkyl}; \text{aryl}, \text{alkylaryl}; R4 = H, R2; Z1 = CH2CHA(CH2)rSiR13; Z, Z2 = R6nSiH3-n, CH2CHA(CH2)rSiR13; n = 0-3; R6 = \text{alkyl}, \text{alkoxy}, PhO, \text{aryl}, \text{alkylaryl}; R5 = R2, Z1; x = 2-1000; y = 1-200; p = 0 \text{ to } .\text{apprxeq}.50\% \text{ of } y; A = H, \text{alkyl}, Ph; r = 0-12; R1 = OH, \text{acyloxy}, \text{halo}, \text{amino}, \text{alkoxy}, \text{aryloxy}, \text{etc.}]$, and a soil release-promoting polyester contg. ethylene terephthalate and polyoxyethylene terephthalate units as well as, optionally, a low-mol.-wt. polyacrylate and a polyoxyalkylene-siloxane. The compns. are added to a nonionic detergent **compn.** (or to washwater contg. it) to improve the antistatic properties of washed fabrics. A particulate mixt. of Alkaril SRP-2F (soil-release polyester) 76.5, Alkasil HNM-1223-15 (polyoxyalkylene-siloxane) 13.5, and Alcosperse 149D (40% Na polyacrylate) 10% was added (8.36%) with 1.11% antistatic silicone (190 Surfactant) and 6.67% dimethyldistearylammonium chloride in a laundry detergent contg. a nonionic surfactant and a nonphosphate builder ($Na2CO3-NaHCO3$ -zeolite A mixt.).

ST antistatic soil release detergent; laundry detergent antistatic antisoiling; siloxane polyoxyalkylene antistatic detergent; polyester polyether antisoiling detergent

IT **Siloxanes and Silicones**, uses and miscellaneous

RL: USES (Uses)

(antistatic agents contg., for laundry detergents)

IT **Softening agents**

(for **fabrics**, laundry detergents contg. antistatic agents and)

IT Antistatic agents

(polyoxyalkylene-**siloxanes**, laundry detergents contg.)

IT Soilproofing

(agents, polyester-polyethers, laundry detergents contg. antistatic agents and)

IT Detergents

(laundry, contg. antistatic, **fabric softening**, and soil release agents)

IT Polyethers, uses and miscellaneous

RL: USES (Uses)

(polyester-, soil release agents, laundry detergents contg. antistatic

agents and)
 IT Polyesters, uses and miscellaneous
 RL: USES (Uses)
 (polyether-, soil release agents, laundry detergents contg. antistatic agents and)
 IT **Siloxanes and Silicones**, uses and miscellaneous
 RL: USES (Uses)
 (polyoxyalkylene-, antistatic agents, laundry detergents contg.)
 IT Polyoxyalkylenes, uses and miscellaneous
 RL: USES (Uses)
 (siloxane-, antistatic agents, laundry detergents contg.)
 IT 9003-04-7, Poly(acrylic acid)sodium salt
 RL: USES (Uses)
 (antistatic agents contg., in laundry detergents)
 IT 107-64-2, Dimethyldistearylammonium chloride
 RL: USES (Uses)
 (softening agents, laundry detergents contg. antistatic agents and)
 IT 9016-88-0, Ethylene glycol-**polyethylene** glycol-terephthalic acid copolymer
 RL: USES (Uses)
 (soil release agents, laundry detergents contg. antistatic agent and)

L20 ANSWER 36 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 1990:612871 HCAPLUS

DN 113:212871

TI Alkoxylated silicone polymers useful as soil-release and softening and antistatic agents for laundry **compositions**, and their synthesis

IN O'Lenick, Anthony J., Jr.

PA Rhone-Poulenc Specialty Chemicals, L. P., USA

SO U.S., 7 pp.

CODEN: USXXAM

DT Patent

LA English

IC ICM C08K005-11

NCL 524318000

CC 35-5 (Chemistry of Synthetic High Polymers)

Section cross-reference(s): 38, 46

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4937277	A	19900626	US 1988-194259	19880516
PRAI	US 1988-194259		19880516		

AB The agents, without buildup after use, are prepd. by reaction of alkylene glycols, SO₃R- or CO₂R-(un)substituted (R = H, Na, K, NH₄) terephthalic acid, and Me or Et siloxanes bearing ethoxylated and/or propoxylated hydroxypropyl side chains. Thus, 2680 g PEG, 167 g terephthalic acid, and 457.8 g Me siloxane bearing ethoxylated 3-hydroxypropyl groups were heated to 210.degree., removing water by distn., and maintained at 210.degree. for 6 h to give a polymer with good soil release and softening properties.

ST laundry softener graft polyester siloxane; soil release agent polyester siloxane

IT Antistatic agents

Softening agents

(for textiles, block polyester-polyoxyalkylene-**siloxanes** as)

IT Textiles

(soil-release agents for, block polyester-polyoxyalkylene-**siloxanes** as)

IT **Siloxanes and Silicones**, compounds

RL: USES (Uses)

(di-Me, Me hydroxypropyl, reaction products, with alkylene oxides and terephthalic acids, as soil-release and **softening** agents for **fabrics**)

IT Detergents

(laundry, soil-release and softening agents for, block polyester-polyoxyalkylene-**siloxanes** as)

IT **Siloxanes** and **Silicones**, preparation

RL: PREP (Preparation)

(polyester-polyoxyalkylene-, block, prepn. of, as soil-release, softening and antistatic agents for fabrics)

IT Polyoxyalkylenes, preparation

RL: PREP (Preparation)

(polyester-siloxane-, block, prepn. of, as soil-release, softening and antistatic agents for fabrics)

IT Polyesters, preparation

RL: PREP (Preparation)

(polyoxyalkylene-siloxane-, block, prepn. of, as soil-release, softening and antistatic agents for fabrics)

IT 100-21-ODP, Terephthalic acid, block polymers with polyoxyalkylene glycols and OH-bearing **siloxanes** 528-44-9DP, 1,2,4-

Benzenetricarboxylic acid, block polymers with polyoxyalkylene glycols and OH-bearing **siloxanes** 19089-60-2DP, block polymers with

polyoxyalkylene glycols and OH-bearing **siloxanes** 25322-68-3DP,

PEG, block polymers with terephthalic acid and OH-bearing

siloxanes 25322-69-4DP, **Polypropylene** glycol, block

polymers with terephthalic acid and OH-bearing **siloxanes**

RL: PREP (Preparation)

(prepn. of, as soil-release and **softening** agents for **fabrics**)

L20 ANSWER 37 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 1988:169695 HCAPLUS

DN 108:169695

TI Article for conditioning fabrics in a laundry dryer

IN Kasprzak, Kenneth Alfred; Swithart, Terence John; Ward, Andrew Hamilton

PA Dow Corning Corp., USA

SO Eur. Pat. Appl., 7 pp.

CODEN: EPXXDW

DT Patent

LA English

IC ICM C11D017-04

ICS C11D003-37

CC 46-5 (Surface Active Agents and **Detergents**)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 255711	A2	19880210	EP 1987-111170	19870803
	EP 255711	A3	19890315		
	EP 255711	B1	19910925		
	R: BE, DE, FR, GB, NL				
	US 4767548	A	19880830	US 1986-893752	19860806
	CA 1279156	A1	19910122	CA 1987-539287	19870610
	JP 63042978	A2	19880224	JP 1987-194579	19870805
PRAI	US 1986-893752		19860806		

AB A flexible substrate contg. a fabric-conditioning **compn.** (m. >38.degree.) comprising a cationic **fabric softener** and a poly(dimethylsiloxane), poly(methylphenylsiloxane), and/or

poly(dimethylsiloxane)-polyoxyalkylene imparts better softness and antistatic properties to fabrics in a laundry dryer, compared with a substrate contg. only the cationic softener. A soln. of 100 parts ditallowdimethylammonium chloride and 1 part trimethylsilyl-terminated poly(dimethylsiloxane) (viscosity 350 cSt) in warm Stoddard solvent was applied to nonwoven polyester fabric and dried to give a product which imparted softness and antistatic properties to wet polyester-cotton and polyester fabrics in a laundry dryer. The static charge on dried polyester-cotton fabrics was 95 V, vs 1100 without the siloxane.

- ST **fabric drying softener** antistatic; **softener fabric** ammonium siloxane; antistatic fabric ammonium siloxane; quaternary ammonium softener antistatic; ammonium **softener** antistatic **fabric**; siloxane **softener** antistatic **fabric**; polyoxyalkylene siloxane **softener fabric**
- IT **Siloxanes and Silicones**, uses and miscellaneous
RL: USES (Uses)
(antistatic **softening** agents contg., for **fabrics** in laundry dryer)
- IT Quaternary ammonium compounds, uses and miscellaneous
RL: USES (Uses)
(antistatic-**softening** agents contg., for **fabrics** in laundry dryer)
- IT Antistatic agents
Softening agents
(for **fabrics** in laundry dryer, siloxane-contg.)
- IT **Siloxanes and Silicones**, uses and miscellaneous
RL: USES (Uses)
(polyether-, antistatic-**softening** agents contg., for **fabrics** in laundry dryer)
- IT Polyethers, uses and miscellaneous
RL: USES (Uses)
(siloxane-, antistatic-**softening** agents contg., for **fabrics** in laundry dryer)
- IT 9003-11-6D, Ethylene oxide-propylene oxide copolymer, siloxane derivs.
25322-68-3D, **Polyethylene** glycol, siloxane derivs.
25322-69-4D, **Polypropylene** glycol, siloxane derivs.
RL: USES (Uses)
(antistatic-**softening** agents contg., for **fabrics** in laundry dryer)

L20 ANSWER 38 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 1972:407228 HCAPLUS

DN 77:7228

TI **Textile-finishing polymeric compositions** and method for providing water-repellent products

IN Crabtree, Orville R.; Thomas, Manuel A.

PA Deering Milliken Research Corp.

SO U.S., 5 pp.

CODEN: USXXAM

DT Patent

LA English

IC D06M

NCL 117135500

CC 39-10 (Textiles)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3649344	A	19720314	US 1969-788941	19690103

PRAI US 1969-788941

19690103

AB Water-resistant **textile fabrics** with improved breathability, durability, and aesthetics and useful in rainwear, are prepd. by coating .geq. 1 side of a **textile fabric** with a mixt. of a relatively low viscosity aq. dispersion of .geq. 1 water-insoluble, film-forming, solvent swellable polymers and a water immisible org. solvent to swell the polymeric material and provide a relatively high viscosity mixt; excess liq. is removed from the coated **fabric** and the coating and impregnant cured. Thus, a **compn.** prepd. from SM-2013 (40% solids dimethylpolysiloxane aq. emulsion) 5.0, SM-2014 C catalyst (50% solids dibutyltin dilaurate aq. emulsion) 1.0, Aircoflex 500 (55% solids ethylene-vinyl acetate copolymer (I) [24937-78-8] aq. emulsion) 13.0, Aircoflex 46-3 (55% solids carboxylated I aq. emulsion) 13.0, (NH₄)₂HPO₄ 0.1, and trichloroethylene [79-01-6] 52.5 parts was applied to polyester-cotton **fabric** and dried at 250.deg.F to give 9.0% solids pickup. The coated **fabric** was impregnated with a water repellent **compn.** contg. Rhonite R1 (dimethylolethyleneurea [136-84-5]) 15.0, catalyst X4 (Zn(NO₃)₂) 3.0, FC-208 [11119-49-6] (fluorocarbon water-repellent) 3.5, Nalan W (water repellent extender) 5.0, Sapamine NP (**polyethylene softener**) 4.0, and Synthrapol KB (wetting agent) 0.2%. The **fabric** was dried and the water-repellent and polymer coating **comps** cured at 330.deg.F for 3 min. **Fabric** possessed air permeability of 12 sec/100 cm³ (ASTM D 726-58, method A) and water vapor transmission about 600 g/m²/24 hr (ASTM E-96 method).

ST water repellent **fabrics** coating

IT Polyester fibers

RL: USES (Uses)

(coating and waterproofing of cotton and)

IT **Textiles**

(coating and waterproofing of cotton-polyester)

IT Acrylic polymers

Siloxanes and Silicones, uses and miscellaneous

Urethane polymers, uses and miscellaneous

RL: USES (Uses)

(coatings, on cotton-polyester **fabrics**, for subsequent waterproofing)

IT Waterproofing

(of cotton-polyester **fabrics**, after coating with polymers)

IT Coating materials

(polymeric, on **textiles**, for subsequent waterproofing)

IT Acetic acid ethenyl ester, polymer with ethene, carboxylated

Ethene, polymer with ethenyl acetate, carboxylated

RL: USES (Uses)

(coatings, on cotton-polyester **fabrics**, for subsequent waterproofing)

IT 9016-00-6 24937-78-8 30586-88-0 37200-82-1

RL: USES (Uses)

(coatings, on cotton-polyester **fabrics**, for subsequent waterproofing)

IT 30660-57-2 37340-68-4

RL: USES (Uses)

(waterproofing by, of cotton-polyester **textiles** coated with polymers)

IT 9016-00-6

RL: USES (Uses)

(coatings, on cotton-polyester **fabrics**, for subsequent waterproofing)

RN 9016-00-6 HCAPLUS

CN Poly[oxy(dimethylsilylene)] (8CI, 9CI) (CA INDEX NAME)

